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GET YOUR PRICE FOR FANCY STOCK—J. C. CLIPP

AUGUST, 1908

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THE INDUSTRIOUS HEN

ONE YEAR 50c.—THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FARM

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**THE INDUSTRIOUS HEN
COMPANY**
Knoxville Tenn.



LAYING AND BREEDING HENS—BY A. V. MEERSCH

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A Hale Winner

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 5

Knoxville, Tenn., August, 1908

(Whole No. 51) No. 3

OUR AMERICAN BREEDS

WRITTEN FOR THE INDUSTRIOUS HEN BY MICHAEL K. BOYER.

NO BREEDS ever reached the popularity of the American Barred Plymouth Rocks or the White Wyandottes, and they fully represent our ideas of what a market poultry fowl should be—medium weight, plump body, quick growth, yellow skin, yellow legs, and layers of good sized brown eggs.

No foreign breed has ever been able to cope with these two American stand-bys, unless the new Orpington will prove itself worthy of that class.

France boasts of her Houdan, and well she may, for it is a noble breed, of medium weight, plump, quick growth—but it has a white skin, dark legs, and lays a white egg. There never was produced a better table fowl than the Black Langshan, and it lays a beautifully colored egg, but the skin of the fowl is white. So we could name other breeds, like, for instance, the Dorkings, Indian Games, etc., but in all of them there is something lacking that we Americans want.

Even in the American class there are some varieties which will never become popular, and some of which have already practically passed out of existence. The Sherwoods in appearance were White Plymouth Rocks, and the White Wonders look exactly like White Wyandottes, the only difference in these two breeds is that they have feathered legs, while the varieties they pattern after in appearance, have clean legs. It was this leg feathering that crippled them.

Of late years the Rhode Island Reds have become quite popular, and they are excellent utility breeds, but they will never crowd out the Plymouth Rocks nor the Wyandottes.

The Columbian Wyandotte is a new arrival, and looks very much like a simon pure cross between White Wyandotte and Light Brahma. They are said to be excellent layers.

We call the Brahmans and the Leghorns American, but strictly speaking they belong to England and Italy, respectively. Yet if one makes a comparison of both these breeds as bred in this country with those of their native country, they are altogether different in type. The Brahma of England, for instance, is more of the Cochinchina style, and is not so prolific as the Brahma of America.

It must be said to the credit of the American fancier that all the varieties he handles he improves in their utility qualities. There was a time when he considered the show room of more importance than the production of meat and eggs, but today it is different. The day is not far distant when hens will be sold on their egg record instead of their outward adornment.

The non-setting varieties lay white colored eggs. The best winter layers produce a brown egg. Too much middlings in the feed will cause small sized eggs. The egg gradually decreases in size and weight as the laying season prolongs. The size of the egg, as a rule, increases with the age of the hen.

I. K. Felch thinks the egg record of a hen should not be measured by numbers but rather by weight of eggs. His contention is right. Quality and not quantity should be the governing rule. In a letter to the writer he submitted the following results for the month of March: Thirteen Plymouth Rocks laid 276 eggs, at 21.3 average per hen; 15 Plymouth Rocks laid 334 eggs, average 22.4; 40 Plymouth Rocks, 864 eggs, average 21.7; weight of the eggs, 26 ounces per dozen. Brahmans, 11 pullets, three of which were hatched August 3, 185 eggs, average 16.9; 195 eggs, average 19.1; weight of eggs, 32 ounces per dozen; 7½ and 6½ ounces for

a single egg has been known to be produced. He has four hens that are producing eggs to weigh 37 ounces per dozen. The number of eggs a hen lays is only half the record; weight is the true test as a food supply. Twenty eggs at 32 ounces per dozen is 3 pounds, 5½ ounces; 22 eggs at 26 ounces per dozen is 2 pounds, 11 2-3 ounces. The Brahmans, though they lay the least in number, lay 21 1-3 per cent the greater amount of food supply.

BOYER'S POULTRY NOTES.

The science of feeding is one that must be studied carefully if success is desired. To underfeed is as bad as to overfeed. To give carbonaceous food when nitrogenous elements are necessary, and vice versa, will do more harm than good. Feed for the object desired, and never allow the fowls to become overfat. With proper feeding goes exercising, for without proper muscular movements the digestion will be defective, and no good results can be expected.

Sneezing in fowls belongs to distemper or a cold in the head, and in itself is only a slight ailment. In quite young chicks the trouble is best treated by putting four drops of tincture of aconite in a half pint of drinking water. Use the homeopathic aconite. For older chickens, tie a piece of asafoetida in a piece of muslin and fasten it in the drinking fountain or vessel. Use a piece of asafoetida about the size of a hazelnut.

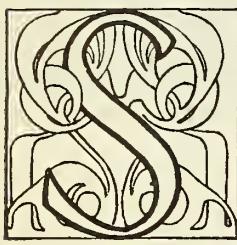
French poulters believe in boiling the grain. It is put in a pan of water and boiled until soft enough to be easily bruised between the fingers. It is claimed that four pints of oats boiled will fill a pint measure seven times, four pints of barley boiled will fill a pint measure ten times, four pints of buckwheat boiled will fill a pint measure fourteen times, four pints of corn (maize) boiled will fill a pint measure fifteen times, four pints of wheat boiled will fill a pint measure ten times, and four pints of rye boiled will fill a pint measure fifteen times.

Experimentalists say that peas, beans, wheat, oatmeal and some other vegetables contain much flesh-forming substance, but it is difficult to say what proportion of them should be used or what quantity given without doing mischief. There are certain feeds that give warmth and aid respiration, and certain kinds that restore the muscular waste of the matured (or increase the bulk of the growing) animal. If we give only warmth-producing substances the consumers will fail in the increase of bone, muscle, etc., and if we give too much flesh-producing nourishment it goes to waste or becomes injurious.

Felch says the Light Brahmans will grow a broiler to weigh two pounds at eight weeks old. Twenty-two have been produced to weigh 53.7 pounds at two months old; the same twenty-two weighing 107 pounds at 100 days of age. Duston prefers the White Wyandottes to any other breed for broilers. Even for light weights he found the other breeds unsatisfactory. At fifteen weeks of age the Leghorns weigh 1½ pounds each, while the cross of White Wyandottes and Brahmans weigh over five pounds each at the same age. For general purposes, Mr. Duston prefers the White Wyandottes best.

HOW TO GET A PRICE FOR YOUR FANCY STOCK

WRITTEN FOR THE INDUSTRIOS HEN BY JUDGE J. C. CLIPP, ASSOCIATE EDITOR.



OME of our recent beginners with fancy fowls are now thinking seriously about how to dispose of the season's output. They cannot think of the idea of selling on the market, and to advertise them will take considerable cash, with a possibility of no returns, is the line of thought. Please allow me to whisper a few facts in your ear. Are you not aware that there are more buyers for pure bred fowls today than was ever known? The world has never seen a time before when almost every individual was more or less interested in pure bred fowls.

There is no doubt but what it is easier to sell twenty-five pure bred males now than it was to sell five of the same strain and quality ten years ago. This being a fact it would be a great loss to sell well bred birds on the market, as they will bring much more for breeding purposes. Not simply because they are pure bred, but because they are worth more, by being pure bred. It is no trouble to dispose of every well bred bird you have, if you advertise them. There will be a few culls in your flock no matter how well bred they are. The writer has never yet seen a flock of pure bred fowls but what would throw more or less culls. Such individuals as that should be placed on the market, as only the best should be retained and offered to the trade as breeders.

To sell your culls as breeders would mean a loss in several directions, therefore we deem it wisdom to sell the culls on the market and advertise the well bred specimens and offer them to the fancy trade, placing a price on them in keeping with their quality. If you have any hesitancy in advertising, not being sure of adequate returns, just consult a few successful breeders that have used printer's ink for years and see if each and every one will not tell you they sell more than twice the number of birds they did ten years ago.

There is a great demand for well bred fowls among farmers now who would not consider fowls of any tribe or color a few years ago. Never under any circumstances place your high-class fowls on the market at market prices as the loss is too great in many ways.

Only last fall an amateur breeder told the writer of his mistake in selling a fine bunch of high class Buff Plymouth Rocks on the market—that he found he could have sold easily to the fancy trade a little later on at five times the price he received for them. Don't act too quickly in disposing of your fancy specimens; If you do you will regret it later when the breeding season opens up. The writer has never yet produced enough fowls to supply the great demand we have, always returning almost as much money as we retain for fancy specimens; everybody is becoming interested in poultry, creating a very active demand for pure bred fowls of all the standard varieties.

The world is growing wiser year by year. This, however, is fulfilling the divine writ. The revealed message from God informs us that his people shall grow weaker and wiser. Weaker physically, but wiser in knowledge. The fact that the world is growing wiser in the knowledge of intelligent poultry-keeping is being demonstrated on every hand. Where the mongrel was once grown, now the pure bred has taken its place, netting the owner more money than other products on the farm per capita invested. Where the pure bred fowls are grown the owner has learned it pays him to buy new blood every year and will search the poultry journals from cover to cover, reading the different advertisements representing their respective breeds. Hence, if your advertisement stands out prominent among those ads. you will certainly get your share of the trade and by the time the breeding season closes you will find you have disposed of all your surplus stock at a neat sum over market prices.

A friend of ours a few days ago asked us what was the average price of pure bred fowls. It certainly depends on the individual merits of a bird in determining its value. In fact there are a number of things to consider in determining the price of fancy bred poultry. Briefly will say; first, the show record behind a bird plays quite an active part; the man behind the bird, the laying qualities, etc. These things are all well considered in setting the price on all individuals. The individual itself is to be considered in estimating its value.

For instance, (if you will please pardon me for making

a personal reference) our noted Buff Rock cock "King George" valued at \$300.00, refusing this price when he was a cockerel, seems a big price for a single bird, but is nothing to compare to what some breeders receive for a single bird; however, it's a good price for a single "chicken" we admit, but we fully realize the fact that his breeding qualities is worth much more to us in our breeding yards than to dispose of him at \$300.00 for the other fellow to down us with in the future shows. His sons alone have brought us considerably more than \$300.00, not mentioning his pullets and eggs sold from his service.

Numerous things must be considered in placing the value on a bird. In ordinary breeders \$2.50 and \$5.00 should buy high class utility stock, while fowls of exhibition quality sell readily at from ten to fifty dollars each. \$25.00 is a very common price for an exhibition male bird.

But those of you who are just starting in fancy fowls we would advise advertising in the leading journals, placing a price on your product in reach of all, as there are always a few individuals in every flock showing inferior quality. You should either retain for your own breeding or price them in keeping with their quality, then you will find they will sell nine times out of ten. It is better to not price your best birds; they are worth more to you than any one; at any event do not become so "tenderfooted" as to sell your pure bred birds on the market. Advertise them judiciously and you will find they will sell promptly.

THE JEANERETTE FAIR ASSOCIATION.

The work in all departments of the The Jeanerette Fair Association is far in advance of what it was last year. The thorough system by which all things have been accomplished speaks wonders for the energy and determination of the public spirited men who have taken such a deep interest in the development of this great institution.

Exhibitors in the several departments, i. e., Agriculture, Stock, Poultry, Woodworking Machinery, the Ladies' Department, etc., are eager to put out the best display within their respective lines, and the exhibits will far surpass those of any other Fair. These will be more complete, and the accommodations will exceed those existing heretofore.

The features of our coming Fair will consist of a grand floral parade on the opening day. This is a great spectacular event, and from the praises of the immense assembly who witnessed the pageant last year, the promoters hope to arouse an even greater interest; and surpass the splendid success attained at our last festival.

In addition to this great feature, there will be held on one of the days of the Fair an old fashioned tournament, which will be participated in by both single and married men in appropriate costumes.

There will be a large number of both running and trotting races, and the management guarantees good contests. This department is in charge of an experienced man, and every effort will be made to keep up the fast record of this race course, which is among the very best in the State.

The display of live stock will be worth the attention of all who are interested in this particular line. The best stock of the State will be on exhibition, and the winners will be awarded with the munificent sums offered by the Association.

There will also be an exhibit of pot plants from New Orleans horticulturists, besides the exhibits of amateur plant and flower growers of this section.

The poultry show will be the banner feature of the festival. This department has met with the most flattering approval of the people, and an earnest endeavor will be made to make this the crowning event of the Fair. Ample space has been reserved to accommodate the numerous exhibits, which will consist of almost every known breed of fancy poultry and pet stock. The gentleman in charge of this department is an experienced poultryman, and good results are sure to be obtained. Mr. T. L. Bayne will judge the poultry show, and this fact alone will draw exhibits from the best fancy poultry breeders of the South.

C. L. MONNOT, President.

Every particle of the egg, yolk, albumen and shell must come from the assimilated food through the blood cells. Scientific men tell us that an egg is an ounce and a half of concentrated food, made up of lime, soda, sulphur, iron, phosphorus, magnesia, oil and albumen.—MICHAEL K. BOYER.

DRY FEEDING OF HENS AND CHICKS

WRITTEN FOR THE INDUSTRIOUS HEN BY DR. N. W. SANBORN.

I CONSIDER the dry hopper method of feeding hens and chicks the best advance in poultry keeping the past twenty years has seen. I would not care to go back to the old ways of feeding chicks and think the same can be said of hens.

'Under all dry feed I have reduced my chicks' loss so that the entire cost of the feed is met in the saving in death losses. The time spent under the dry feed method is less than half that under old methods.

What you want to know of me is how I feed my chicks at all ages, as well as my method of getting the pullets to laying when mature. The summer ration is not the same as the winter one, when applied to the getting of market eggs.

When my chicks are forty-eight hours old they are taken from the incubator to a brooder that is warmed to ninety-five degrees. I do no hatching with hens, so have no lice to fight or contend with. These chicks when put into the brooder find nothing to eat except what they can find in the hay-mow waste that covers the floor of the brooder. This is composed of dirt, fine leaves, a little grass and weed seeds with much fine hay. What the little chicks eat serves to satisfy their desire for food as well as gives the needed exercise. When the chicks see their third morning from hatching a water fountain is given them. An hour later when they have learned to drink, I sprinkle on a board some finely cracked wheat. They have all they want. In the litter I give them some fine grit. This is all they get until seven days old, when a small dish of fine beef scraps is put in one corner of the brooder. Grit, wheat, meat scraps and water make up the bill of fare until the chicks are two weeks old, when one-third fine sifted cracked corn and two-thirds cracked wheat is made the grain diet. This is continued until the chicks are partly feathered, when equal parts wheat and cracked corn is fed. The hopper of beef

scraps is always within reach, and the box of corn and wheat never allowed to run empty.

Chicks hatched in a good machine, kept in a well run brooder, fed as outlined, with access to a grass range with shade, make splendid growth, are sturdy and handsome, and, best of all, seldom are sick or die.

When the pullets are mature in the fall, and are looking for a place to deposit the eggs, I begin to make use of the dry mash. When the pullets are put into the laying house they find a self feeding hopper filled with the following mixture: four parts by measure of wheat bran, two of corn meal, two of clover meal, with one part of high grade meat scraps. This dry mash is before them every hour they are off the roost. If they want food they can get it out of the hopper. Sometime during the day they get feed of green food. It may be rape, mangles, cabbage or cut clover. An hour before roosting time they are fed a light feed of some whole grain. It may be oats, wheat, corn or barley. If the pullets are confined to the house because of snow or cold the grain is given in litter to induce exercise. This litter is deep enough so that some grain is lost in it, exciting exercise the next morning as the birds come from the roost.

My chicks have never had a wet mash. My old stock have had perhaps three wet feeds when I have wanted to get a little extra spice into them in the cold of last winter.

Not only is health preserved in the young stock but the breeders seem to do well under the hopper method. My pens of high grade Buff Wyandottes gave me eggs the past spring that averaged over eighty per cent fertile, the hatches were fine and deaths have been so few that I have thirty per cent more chicks living now than the experiment stations say is the number to be expected. I see no change to suggest in line of feeding, as carried out the last six years. Try my way for better success with hens and chicks.

IS THERE MONEY IN POULTRY?

WRITTEN FOR THE INDUSTRIOUS HEN BY ROBT. S. PORTER.

 ANY breeders of fancy poultry do not care whether their flock pays or not, as they breed just for the love of producing fine birds, and do not mind spending a few dollars on their chickens any more than others on flowers or pleasure. But poultry raising is fast coming around to a business proposition, and the question of how profitable will it be is continually being raised.

There are many ways of viewing and weighing this question, and there are also more ways of answering it. Some will tell you very positively that there is no money in it, while others will be equally emphatic that there is a fortune in it. First, let us take up some of the reasons for the losses. A great many go into the poultry business with a large capital and no experience, and it naturally follows, as it would in any other business, that they soon strike the breakers and their business goes down in wreck. Look back over the poultry failures that come within your knowledge and you will notice many of this class. Thus we can naturally draw the conclusion that experience is absolutely necessary to success. There is yet another class still more numerous and also sure failures; these are those who do not have so much capital and have the experience. They make a fine start, by getting good equipment, good stock and seem as though they are bound to make money. But alas! after a few months all the figures go into the loss column. What is the trouble? If they fail, how can any succeed? On investigating this class we find that they tended the incubator and chickens for a few months, then they neglected to turn the eggs in the incubator, also to feed the chicks, put off cleaning brooders, and in fact just half done everything. The inevitable results were losses. Their equipment and experience did not save them because they became negligent. Hence we find experience must be accompanied by a determination to be in the chicken business 365 days a year. Those who start right must keep right, or else they not only fail themselves, but they discourage others and thereby do the poultry

industry a double injury. There is yet another class who never make anything out of poultry and their numbers are rather large, too. These are the ones who go into business so afraid that they will invest a little money that they remind one of a man who once started a large saw mill but was afraid to spend money for an engine and boiler so he tried to turn the saw with a crank. Many start into the poultry business without any power but old hens who hatch at such times that chickens will bring almost no price. Some few of this class screw their courage up to the point of investing in a very cheap and inferior incubator, which hatches a few puny chicks, and then are too pennywise to get a good brooder. Of course they get all their chicks chilled and decide that the poultry business is a failure.

When we sum the matter up we find that experience, persistence and good equipment are necessary to a successful poultry business. Unless you run a successful business you will not make money, therefore if you are not making money out of your flock you can usually place the blame on yourself.

A beginner should begin work in September, so that by December he will be experienced enough to successfully work through December, January and February. These three months are when the high priced chickens are hatched. Don't try anything but thoroughbreds, as the time of the dunghill is passed. Even friers of even color and size will bring a better price than just any color and size. Then you can save the best of each hatch and sell as breeders at an advanced price, thereby adding to your profits. We honestly believe there is money in poultry and lots of it. If the farmer would put half the time and money in chickens that he does into wheat or corn he not only would make more but would have to work less hard. We hope the time will soon come when the farmer will stop raising beans for 20 cents per bushel and raise eggs, which will always bring from 15 to 30 cents per dozen; friers, which bring from 15 cents to 30 cents per pound. Remember the poultry industry is only in its infancy and those who start right now will be the leaders in the business in a few short years.

THE LAYING AND THE BROODING HENS

WRITTEN FOR THE INDUSTRIOUS HEN BY A. V. MEERSCH.

DURING the warm weather the egg supply will show a considerable falling off in many yards. The hens get exhausted with the heat, setting breeds of fowls become broody more frequently than is desirable and the non-setting varieties will be inclined to take a rest. It is indispensable that the hens be provided with shade, into which they can retire when inclined. Even then they will, on very hot days, be noticed with their beaks open, panting and looking distressed.

Plenty of cold water is necessary at this time; they will drink a good deal. The vessels containing the water must be placed out of the sun's rays. If the hens are kept in a confined run, it is a good plan to put the water vessels on an inverted flower pot, so that the birds cannot scratch earth or dirt into it. As a rule, the hens will not eat so much in hot weather. A change of diet is beneficial, especially if eggs are not so plentiful as they should be.

A little sulphate of iron in the water is necessary at this time, for a few days, and different food will often increase the yield of eggs. The soft food for breakfast can be omitted for a week or two and grain can be substituted in place. Wheat can be given at one meal and oats at another, with some meat

stuff of all kinds rapidly withers and dies in the heat, all not eaten must be removed by the next morning and not allowed to become rotten or unpleasant.

Where incubators are not used, broody hens are in great request in the early part of the year for bringing out chickens for the table or pullets that will be required for laying in the fall and winter. But when no more chickens are desired, or if the yard is small and none are reared, the frequency with which some hens will become broody in the warm weather is very annoying. They are certainly only seeking to follow their natural instincts and to hatch out a brood of chicks. But nowadays a hen is expected to produce a large number of eggs in the year, and to do this, she must be kept at work. Frequent broodiness is opposed to egg production. If non-setting breeds are kept the brooding hen trouble does not arise. The majority of poultry keepers, however, will prefer either mongrel hens which are mostly free setters or setting breeds, because amongst the latter are layers of colored eggs, shelling more frequent than the white. How to cure the hens of broodiness is a question often asked. Some of the methods adopted are not only quite useless but decidedly cruel. An old cure, happily now seldom practiced, was to tuck the head of the hen under her wing, swinging her around and then hold her under water for half a minute. Another, also strongly to be condemned, was to shut the bird up in a box in the dark without food or water for three days. To put the unfortunate bird under the pump and half drown her is still in some districts, supposed to stop the broodiness. Or to saturate the nest with water, is said to make the hen forget and forsake it.

But the most effective and simple cure is to remove the hen from the nest the first evening she is seen there and to place her in a coop. This should stand in a light spot, not in the dark, but not exposed to the sun. The hen should have some grain to eat, some green food and plenty of fresh water to drink. She will then not get thin or weak, will lose her desire to set in three or four days and recommence laying within two weeks. She will not have been treated with any cruelty and will have been cured as quickly as by any of the severe methods.

When the fowls are nearing the moult it is sometimes advantageous to allow the setting hens to set for a short time, especially when they are going to be kept for another season's laying. They need not have any eggs placed under them, as they will be quite content with a china nest egg. After they have set for ten days or two weeks they are then put in a coop or a small warm outhouse and will soon break into moult. Treated in this way they get quickly through the moult, and commence to lay again, while the other hens are losing their feathers.

A broody hen is useful if it is wished to have some chickens without the trouble of allowing the bird to incubate any eggs. Quite a large business has sprung up in the sale of day old chicks, which can be bought at about 10 cents each. This price varying slightly according to the breed. These baby chicks travel comfortably without food for twenty-four hours and on arrival, if placed under a hen that is broody in the evening, she will usually at once adopt them.

It costs about 15 cents per pound—cost of eggs, hatching, feed, etc.,—to place a broiler on the market.—BOYER.

A successful poultryman says that he prevents much sickness in his poultry yards by furnishing shade, exercising, pure food, fresh water, variety of diet. He avoids draughts, is regular in feeding, avoids over-feeding, gives charcoal twice a week, avoids overcrowding, has cool houses in summer and warm houses in winter. He keeps down the lice crop, whitewashes the interior of the houses twice a year; gives green food daily in summer; cleans up the droppings daily, and uses plenty of disinfectants. He doctors the slight ailments, but kills off all cases of contagious disease. He feeds green cut bone twice a week; makes new nests once a week; has a constant supply of sharp grit within reach of the fowls. He scalds cut clover in winter for bulky food; does not feed any heating food in summer. He plows up the runs several times a year, keeps fowls indoors during bad weather, burns sulphur in the houses once a month, kerosenes the roosts and nest boxes once a week, separates the males from the females during molting, and once a week he scalds out the drinking vessels.—MICHAEL K. BOYER.

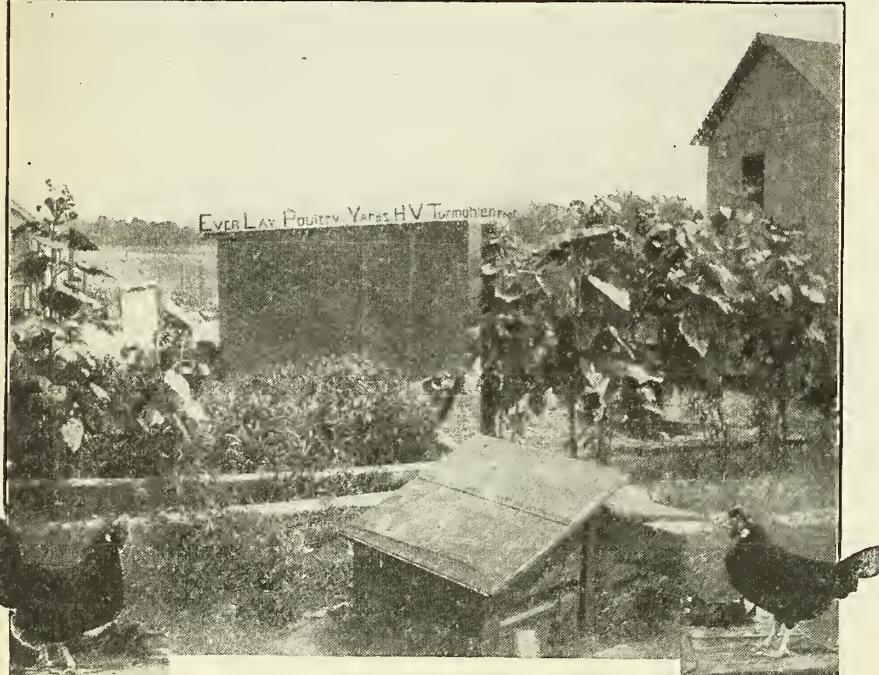
H. V. Tormohlen, Amboy, Ind.

scraps midday, and a good supply of cut grass or other vegetable food. Broken up oyster shells are eaten freely by the birds, and do them a lot of good, particularly in small runs.

Soft eggs are sometimes laid, more frequently in hot weather, and when the season is rather far advanced. They are usually supposed to be caused by a deficiency of shell forming material, but are more often attributed to overfeeding or to too much stimulating diet. Too much meat, for instance, or a quantity of potatoes would be likely to induce soft eggs. Some hens, too, are so prolific that they lay faster than they can shell the eggs. The ovary is too active, and the yolks are deposited in the oviduct before the materials are ready for shelling them.

A few grains of Epsom salts in the drinking water, just enough to make the water taste, for two or three days and a reduction in the amount of food will generally set this right; or if the hen that lays the soft eggs is known, to feed her only peas when put by herself in a coop, for a few days, will stop the nuisance.

Care must be taken to keep the nests in which the hens lay as clean and as free from vermin as possible. It is seldom that this matter is attended to, so that the nests are usually a great resort for insect pests. On farms and where the fowls have a wide range, there is every inducement for the hens to choose a nest in a hedge or clump of tall weeds in preference to laying their eggs in a close, dry house. The straw should be turned out, burnt and fresh, clean straw given in its place at least twice during the season. The advantage and economy of plenty of green food are seldom realized at this time. Cabbage and lettuce leaves, cut grass and dandelion and other garden weeds can be given with great benefit. But as green



POULTRY WORK FOR JULY

BY THE EDITOR

THIS month is undoubtedly the best for building poultry houses. The ground is dry, an important point in our Southern country, where the earth floor has proved to be much the best for the purpose. An ideal house for this climate is a single incline roof fronting the south, with earth floor raised six inches to a foot above the surrounding level, with the entire front open, covered with one inch mesh wire. These houses in East Tennessee have housed winter layers with great success. The hens laying with the thermometer below the zero mark. They are easily and can be economically constructed. With all the different plans and new schemes for houses, this form of house has easily held its own and proved satisfactory almost everywhere in the United States. Shade is vital in August for old and young birds. It is especially necessary for those birds which are to be shown at the early fall fairs and poultry shows. For the youngsters the hot sun will stunt the growth and will kill them. Fresh, clean water and plenty of it, we must have these hot days. Don't let up on the fight against lice; they breed faster this month and are hard on the moulting

hens. August should be a vacation month for the breeders. If possible, let them run on free range this month and nest, it will be a great help in the moult, which will be on in full about the middle of the month.

The fall shows are not far away. The man with well trained, well groomed birds has an advantage of several points over the unprepared exhibitor. The quality of the birds shown at these shows has improved wonderfully in the last two years; it therefore is necessary that we come well prepared with birds of quality for these shows.

These fall fairs offer a splendid opportunity for some of our enterprising young readers to make some extra money with little effort, by getting subscribers for this paper. Write now to the HEN and we will send you a first-class proposition.

The early moulters will be the winter layers. Extra care is necessary during this time, with special feed to help form the new crop of feathers.

A good idea is to begin to get the litter for next winter and a good supply of road dust for the winter dust bath.

McCULLOUGH'S POULTRY POINTERS

WRITTEN FOR THE INDUSTRIOUS HEN BY PLUMMER McCULLOUGH

BY the time this is in print there will be lots of fall fairs in operation and quite a number of young stock sold for breeding purposes. This is one thing that the buyer usually neglects or puts off just as long as he possibly can. I have learned by experience that it pays to buy early. There is nothing to be gained by waiting till late fall or early winter to buy breeding stock. Breeders can afford to sell much cheaper now than they can after they have kept their stock a couple of months longer. Then a breeder usually wants to get his stuff sold off as soon as possible and he will sell quite a bit cheaper in order to sell his stock in the early fall months. He probably wants the room for the stock he is going to keep over or perhaps he has to buy all his feed, and of course the longer he keeps the birds the more he will be compelled to ask for them, in order to make any money out of them. Some people seem to think that a man can hold stock six months for you and then imagine that you are beating them. To wait too long you must take just what will be left for you, whether it be good or bad. Some buyers seem to think that if you advertise a thing in July that you will have the same thing in September. The man that buys early gets the cream of the flock. The seller usually sells the best first and when this

is the case the fellow that waits till the last is the one that gets it in the neck. When I buy stock I always like to get them early, so they get used to their winter quarters before really cold weather. If we wait too long we are not likely to get what we want and probably we cannot buy at all. We must remember that it takes time to feed a large flock of birds, as well as lots of room and plenty of feed. All this makes an added expense, where, if we buy early, we can save a great deal of this expense. My experience is that the earlier we buy the better satisfaction we get, so I heartily encourage early buying. Don't wait too long, or you may be left in the lurch. It is better to be too early than too late, so be early and get the early worm.

Another thing I want to speak of is this thing of buyers expecting too much for their money. I honestly believe that many people send for a \$5.00 bird and expect one worth \$10.00. This is very wrong as well as foolish. We must remember that it takes a breeder years to get his flock up to a high state of perfection and we must not expect too much for our money. However, we believe in buying the very best that our means will afford. Remember that first class breeding stock don't sell for \$1.00 each. Buy less and buy it better. Have "quality not quantity."

THE TENNESSEE STATE FAIR SHOW

The management of the Tennessee State Fair are doing their part by the poultrymen this year. They are giving them one of the best buildings on the grounds in which to hold their exhibit. The location of the building is decidedly the best on the grounds. The premium list and specials are very liberal, and everything is to be done to feature the show in every way possible. Every exhibitor who comes to the State Fair this year will have his name and breed listed in all the local daily papers, and a full list of the exhibitors and the list of awards will be furnished all the poultry and agricultural papers just as soon as the awards are completed. The best judges in America have been employed to place the awards, no pains will be spared and nothing will be left undone to make it the greatest State Fair Show in the Union. Poultry breeders of Tennessee especially should consider it a duty they owe the industry to exhibit at this Show. Let every Tennessee breeder, no matter how small, exhibit a few birds at this show, and let it go out to the world that the greatest State Exhibit ever held in the Union of pure bred poultry was held in Tennessee. We already have the honor to claim the greatest turkey show ever held in the world, and now let's all pull together and show the world what we can do in the way of poultry. It will be the biggest advertisement we can ever hope to have, and will result in great good to every breeder in the State. Send to-

day for the premium list and entry blanks. We already have a great show in sight but we want to do even better than that, we want to break all previous records.

GREATER NASHVILLE PET STOCK AND POULTRY SHOW

This Association held a most successful show last year. They held several meetings during the year at which the membership was largely increased. The dues for February showed an increase in membership of nearly double that of a year ago. Besides getting up a show this association has interesting talks and discussions by the members at its meetings. They had a fine premium list last year—but the coming show will far surpass the last. The financial report shows a healthy condition with a balance from last season. An innovation will be a class for mated pens of eight females and a male, mated for breeding for results, not specially mated for exhibition. The prize is a \$25 cup to be awarded to the best of these pens of any variety. A \$100 cup is offered to the exhibitor making the largest percentage on any one variety. This cup must be won three times to become the property of the winner.

A fine large dog show will be pulled off in connection with the poultry show; valuable prizes will be offered and many of the finest dogs in the U. S. will be present. Several of the largest kennels in the country will enter fine strings.

A MODEL POULTRY FARM IN LOUISIANA

WRITTEN FOR THE INDUSTRIOUS HEN BY THE EDITOR.

THE Bellevue Poultry Farm promises to be one of the model farms of the country and is probably now the best in the South. With ample means, an unrivaled situation, energy, business ability and rare common sense, C. L. Monnot, of Jeanerette, La., has started a poultry plant on the very latest business lines.

The main business of the farm will be to supply a line of strictly fresh eggs, a rare article in this day and time. With this end in view, a system of trap nests is in use and records are kept which will not only be of service to the owners of the plant, but will be of value to poultrymen in general, as a basis for showing accurate results of feeding and breeding methods.

The motto of the farm is "The Best." Following this out, the foundation stock is the best money could buy and all products of the farm are sold with a strict guarantee.

Through a connection with a selling concern in New Orleans, they have all arrangements for marketing perfected to the last detail. The Bellevue Incubator and Brooder Co. Ltd., also, manufacture on this farm the Southern Dixie Incubator and the Pelican Brooder, made especially for use in a warm climate.

This farm is situated at a distance of scarcely a mile from the pretty, progressive and prosperous little city of Jeanerette, in the heart of the beautiful Teche country, made famous by Longfellow's "Evangeline," and is on the main line of the Southern Pacific, only 114 miles from New Orleans.

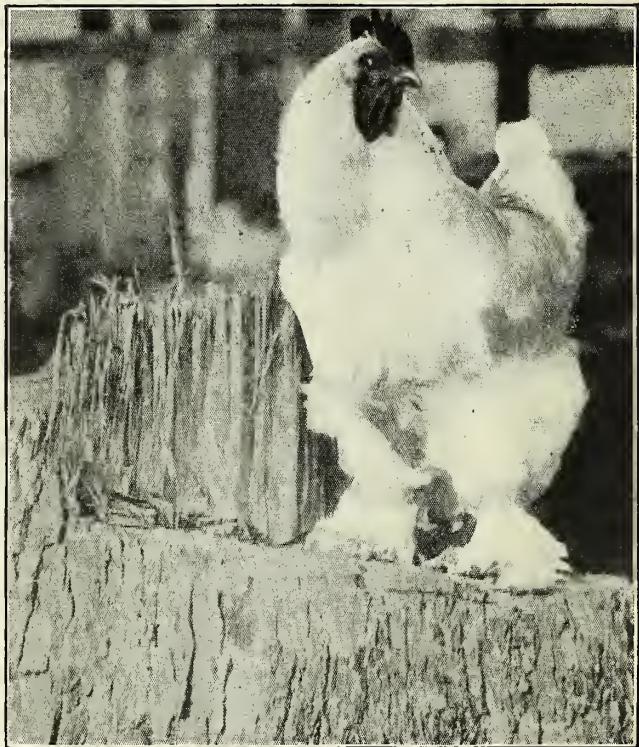
The climate is ideal, being semi-tropical, and with ordinary care, almost all poultry troubles can be easily prevented. The soil is alluvial, and the particular situation of the Bellevue farm is on sandy soil, which permits, with the assistance of the natural lay of the land, a thorough system of drainage.

The management, taking advantage of this natural fall, has established at the lowest point, the home of their ducks, where they raise Pekin and White Muscovy.

The visitor, upon entering the farm, sees the laying houses, consisting of fourteen pens, wherein are housed the following breeds: White Cochins, White and Barred Rocks, White Wyandottes, White and Brown Leghorns, Pitt Games, Buff Cochins, Bantams, Buff Orpingtons, and Rhode Island Reds.

The laying houses are built after a plan of the management on lines between the open front and the closed house.

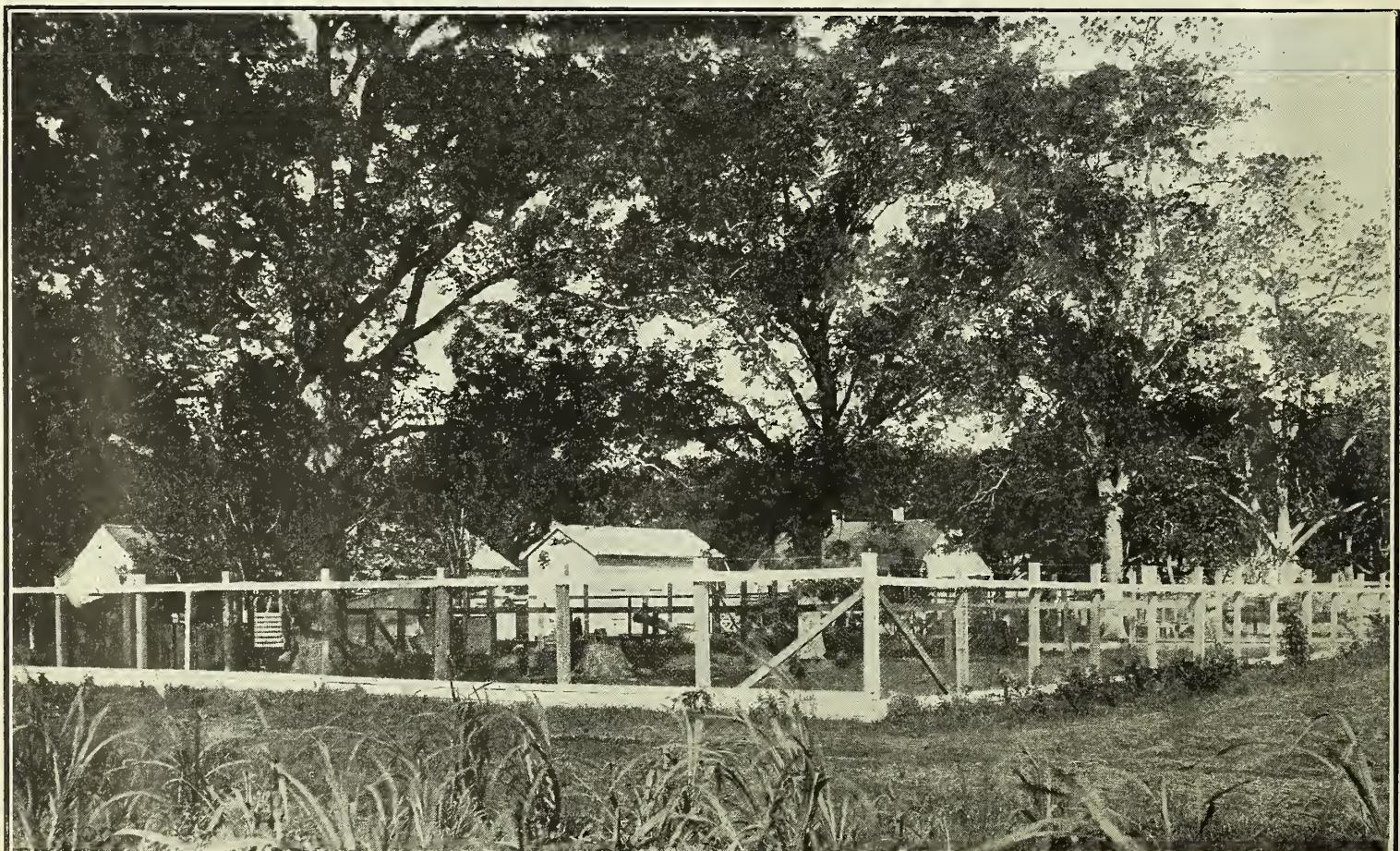
These houses contain trap nests, and are arranged with a system of water for the fowls that is absolutely automatic. Records are kept of the laying of each pen, and no efforts are spared in this system to make it thorough. Each egg is marked with the hen's number and pen, thereby enabling the



Gen. Robt. E. Lee, White Cochin, prize winner at numerous shows. Bellevue Poultry Farm, Jeanerette, La.

keeping track of each chick from hatching to marketing. The roosts are so arranged as to make them strictly anti-louse, and each fixture in these buildings is movable, which allows of absolute cleanliness. Each laying house is provided with two yards which are used alternately, thereby giving fresh runs at all times for the hens.

Two very large yards are devoted to the growing stock,



View on Bellevue Poultry Farm, Jeanerette, La.

where the young cockerel and the pullets are kept separate.

The brooder house, 38 x 85, is constructed with a hall in the center with hovers on each side, so arranged as to accommodate about three thousand chicks. The heating system is so arranged that the house can be operated in sections, and temperature can be regulated to a nicety. The heat is furnished by hot water, which is heated by a specially con-

twenty-five of which is now under enclosure. The other buildings consist of a rat proof feed room, office and machine shop, which power is also used for operating the bone and feed mills. This shop is also equipped for the manufacture of the reliable Southern Dixie Incubator and Pelican Brooder. These machines are put out by the Bellevue Incubator & Brooder Co., Ltd.



Showing Construction of Hen Houses, Bellevue Poultry Farm, Jeanerette, La.

structed heater, operated by a common incubator lamp. At present only one side is used for brood purposes, the other side being devoted to incubators and when the occasion demands, a separate incubator house will be erected immediately adjacent. The above-mentioned departments are all in line, leaving the front open for range and utility stock.

The available acreage of this plant is two hundred acres,

It is the intention of the management to practically raise all food consumed on the farm; this being quite an item, as in addition to the raising of poultry, this farm also raises a diversified assortment of pet stock.

The purpose of this farm is not only to raise exhibition stock; but also market products, such as broilers, capons, ducks, and market eggs.



Young Pekin Ducks and Pens. Bellevue Poultry Farm, Jeanerette, La.



DEVOTED TO EVERY INTEREST OF THE
Poultryman, Live Stock Breeder and Small Farmer

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Vol. 5

AUGUST, 1908

No. 3

THE INDUSTRIOUS HEN is issued promptly on the first of each month. It furnishes the latest and most authoritative information obtainable on all matters relating to the Poultry industry, Live Stock breeding and intensive farming. Contributions that are practical and pithy are solicited. The Editor is not responsible and does not always endorse the opinions as expressed by his contributors.

Subscribers desiring a change in address will please give the old as well as the new postoffice.

ADVERTISING RATES

Furnished on application. The value of THE INDUSTRIOUS HEN as an advertising medium is unquestioned. The character of the advertisements now in its columns, and the number of them, tell the whole story. Circulation considered, it is the cheapest Poultry journal in the United States to advertise in. Advertisements, to insure insertion in the issue of any month, should reach this office

Not later than the 25th of the month preceding.

BREEDERS' CARDS—2 1-2 cents a word each month for one, two or three months; 2 cents a word each month for four or more months. A 25 word card will be run six months for \$2.50, one year for \$4.50. A small cut illustrating a breeder of 25 words or more will be used for 50 cents additional. Numbers and initials count as words. Please count the words correctly and avoid delay. We keep no books with this department and cash must invariably accompany the order.

SPECIAL NOTICE TO SUBSCRIBERS

Your Address on the wrapper indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "June 8," it means that your subscription is paid to June, 1908, and unless renewed will be discontinued after that date.

If a large letter "X" is stamped in the panel at the left of this paragraph, it means that the time for which you paid your subscription has expired and, unless renewed before the next issue, will be discontinued; therefore, if you do not want to miss THE INDUSTRIOUS HEN, YOU SHOULD RENEW AT ONCE. Do not fail to send us either 50 cents to pay for your subscription for another year, or \$1.00 to pay for the paper for the next three years. Better send \$1.00 and have the best and most helpful and practical poultry journal found in the world coming to you regularly every month for the next three years.

SAMPLE COPIES

If you receive a sample copy of THE INDUSTRIOUS HEN you are invited to subscribe for it. You may never get another copy, and if you like it, mail us 50c for one year, or \$1 and have it come to you for three years. Thousands are doing this now and you will never regret it. In sending your subscription if you have a friend who would like to see a sample copy, send us their name and address, but send your own subscription RIGHT NOW. Do not put it off because you are busy, but DO IT NOW. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

Special representatives of THE HEN will attend the State Fairs at Nashville, Memphis and Birmingham, where we will have a booth and invite our friends and poultrymen generally to call there, meet our representatives and rest awhile. We will be prepared to make advertising contracts and give any other information concerning the publication.

* * *

THE HEN is offering to her readers some of the most attractive clubbing propositions possible to get. Those who have already sent in clubs claiming their premiums have received them and are loud in their praise. Every single article that we are offering is a bargain, and its equal cannot be bought anywhere for the same money. By contracting with the factories for large quantities, we have bought at ridiculously low prices, and are furnishing our readers at cost and carriage in order to increase our subscription list. We ask you to look at our several propositions and see if we haven't something that attracts you. If you care to get up a club of subscribers you can get any of these articles free.

* * *

Since our last issue we have been fortunate enough to add to THE HEN's editorial staff the names of S. S. Noble, A. V. Meersch, and E. E. Pryor. We hope The Hen's Family Grows to show portraits of these gentlemen in an early issue. Mr. Noble is to have charge of our Kennel Department, beginning with September issue. We reproduce an article by him from the R. P. J. this month. Mr. E. E. Pryor, an expert on Bantams and Pigeons, will edit this department, and being a gentleman of rare experience in handling these birds for the pleasure derived therefrom, our readers may feel free to question him as much as they please. Thousands of lovers of poultry and pheasants have read after that veteran editor and correspondent E. V. Meersch. Hereafter you will have the pleasure of hearing from him direct through these columns.

* * *

Mr. H. V. Tomohlen, of Amboy, Ind., was announced last month as a special representative of the INDUSTRIOUS HEN, and we are proud to show this gentleman

The Hen in Indiana to our readers. Mr. Tormohlen has had considerable experience in writing for the

poultry press, besides being a practical poultry and collie breeder of many years. He has taken particular pains to perfect a strain of very hardy S. C. Brown Leghorns. His fowls, he writes, must be able to stand the Northern winters in open front houses before he uses them as breeders, and he seldom has a frozen comb. While Mr. Tormohlen is handsome and young looking, we have it from good authority that he is a good deal older than he looks, and that he is probably personally acquainted with more Indiana Poultrymen than any one twice his age. He is a hustler, and our readers may expect him at the Indiana State Poultry show, and many of the best Central Indiana Poultry shows, where he desires to meet all of his old friends and form many new acquaintances, and give any information desired about the advantages of advertising in THE HEN.

* * *

Knoxville, Tennessee, is the home of the East Tennessee Fair Association, which was recently incorporated for \$50,000, with the following incorporators: J. Wylie

East Tennessee Fair Association Brownlee, J. J. Ashe, Dr. M. Jacobs, J. J. Galbraith, R. W. Farr, Judge J. W. Snead and Howard Karns. The officers acting temporarily are Joe J. Broyles, president, and Fred S. Post, secretary, who are doing considerable and necessary preliminary work. East Tennessee should have, next year, a fair that would be the pride of the



State. We have good live stock of various kinds, and the products of the soil cannot be excelled. The creating of a little interest and competition among our farmers would be an incentive to bigger and better things. Let all our farmers and truck growers take an interest in this great movement by assisting the friends and officers of the Association in establishing in Knoxville the greatest fair ever held in East Tennessee.

* * * *

Judge S. T. Campbell, THE HEN's special representative in Ohio, is a gentlemen of ripe experience, able and progressive. He is the first instructor in poultry culture at the University of Ohio, and has just graduated a class of thirty-five stu-

dents. Judge Campbell is instructor in all practical branches of poultry husbandry, including how to build and equip poultry houses; how to mate and breed fowls for special purposes; about incubating, brooding and feeding of chicks, how to caponize, fatten, etc. Judge Campbell is a lecturer as well, and is greatly interested in his work. The readers of THE HEN may expect something practical from his pen, and if there is any one subject that would be of special interest we would be glad for our readers to request it of Judge Campbell, and we feel sure that it will be his great pleasure to respond.

* * * *

There has been such a demand for extra copies of THE INDUSTRIOUS HEN this month that we are printing several thousand copies over and above our regular edition, and will continue to do so for The Hen's Extra Edition the next four or five months. This is made necessary by the large amount of new subscriptions being received, and the many county and state fairs to be held beginning this month. These extra copies go principally into the homes of people who are not familiar with THE HEN, and are taken for examination and criticism. Every line will be read, and every advertiser will be benefitted thereby.

Advertisers during the next few months should bear in mind this extra circulation without increased price. We have already contracted for several pages of new advertisements for this fall and for some months the best positions have been taken. There is plenty of room left, however, and we will be glad to give those who come early good positions.

* * * *

One of the all-important questions to the modern Leghorn breeder is the one concerning weight: "Should the Leghorn's weight be increased?" Every wide-awake fancier and breeder the country over has been confronted with the question and has had to decide on the positive or negative in his own mind. If this question immediately brings to your mind a picture of some small, bantam-like fowls that are doing grace to your back yard or that of your neighbors, I should not hesitate to say a pound or two more of flesh would be a decided benefit, but taking the Leghorn family as a whole the United States over, and if you will not let yourself be prejudiced by the few small birds you have seen, I believe you will agree with me that increased size would be detrimental to the breed as a whole. The Leghorn is in a class by itself as far as popularity is concerned. It is noted the world over as "the great layer." It is generally conceded that the Leghorn is better proportioned to lay a greater number of eggs in a given time on a given amount of food than any other fowl. If you are inclined to be a little bit skeptical along this line, conduct your own experiments and you will verify my statements. "More eggs from a given amount of food consumed." Why are we, as breeders, then, trying to make Mi-



norca frames of our Leghorns? Each breed has its place to fill. Just as soon as the breeders and fanciers of a certain breed try to make their fowls fill the requirements of another breed, that very moment marks the starting point in the decline of the popularity the breed had, if it ever had any. Fellow breeders, let us not forget what brought our favorite breed into prominence—not their Plymouth Rock or Langshan bodies, but their great egg laying qualities, beauty of plumage and graceful symmetry. Don't get discouraged with your strain if you happen to read in bold printer's ink "The World's Heaviest Leghorns," and think you did not get the right kind of a start. We often hear of the "greatest ever" even at street fairs and carnivals. Do not understand me to say I am opposed to a well-built, well-formed Leghorn. My only desire is to keep a Leghorn a Leghorn. In my own yards in breeding the "Ever-Lay strain" I often have male birds weighing six and seven pounds and females that weigh from three to five. I would not think of going beyond these weights. You will notice in this issue a half-tone of a Leghorn male and female, drawn by a popular poultry artist. Notice their natural grace and beauty. The brown Leghorns are mortgage lifters and are money makers for farmers and fanciers alike.—H.V.T.

* * * *

We desire to express our gratitude to many of our friends, who had allowed their accounts to run behind, in

To Delinquents and Others remembering us during the last month with a remittance. Advertising is a business proposition, and should not be started

unless the money is in sight to pay for it. Our rule is, when we do not know an advertiser, either cash in advance or reference. A breeder should not begin advertising if he has not enough money to pay for one month in advance, and then he should calculate on being able to meet the requirements of his contract without receiving one dollar from his advertising, so that if his advertising fails to bring results he has not saddled upon himself a profitless debt. Some advertisements pay, others do not. The publishers are not responsible for this. We have the medium and the circulation, and offer advertising space as a business proposition. No advertiser should expect us to carry space for him month after month on time. Study your possibilities. Do not figure on making it all out of one month's advertising, and pay as you go.—L.B.A.

* * * *

With the advantages of climate and its many environments the South should and will be the home of the early birds for the fall shows of the North. Not

Southern Fowls for Northern Shows until May can the Northern breeder give his young stock a grass range. The spring months are cold, damp and changeable.

Chicks, if hatched in February or March, seldom mature as they should, for the reason that they must be kept in confinement. With the South all is in favor of the early hatched birds; they can have free range most of the time, even in mid-winter, and this one advantage overshadows all else in producing exhibition fowls. The writer has traveled over the South from Virginia to Texas and from the Ohio River to the Gulf, and away back in the eighties bred poultry in the South, and there was no time during the winter that he did not hatch chicks. Pullets hatched in January would be laying in August, and it is well known that at the time the pullet lays her first eggs is when she appears to best advantage in the show room, and for the fall fairs of the North she will win the blue ribbons. Likewise with the cockerels. They, too, come into show condition just in time for the fairs and early shows. A field for the Southern poultryman; why not take advantage of the opportunities? Hatch your birds in January, and you will find ready cash buyers at good prices north of the Ohio river. You have the soil free from snow and ice, a greater part of the time, at least. You have the green food so much desired in your vegetables; your houses can have the so much desired

open fronts the year round. No country on the globe has equal advantages, all things considered. It is the mature bird that wins at the fairs, those from 7 to 9 months old. The same may be said of the early shows. The South can furnish them, why not do it? Produce these birds, advertise in the INDUSTRIOUS HEN, and my word for it, you will sell at good prices all the stock raised. Who will be the first to reap this harvest?—FALCON.

* * * *

A movement on foot, backed by the Commercial Club of Johnson City for a county fair is meeting with much favor among the business men and citizens of County Fairs both the town and county. A live stock and poultry exhibition, farm products, etc., is contemplated along with other features. It is hoped to hold it the latter part of October.—*News Item.*

Why not hold a county fair in Blount? We have the live stock, the poultry and farm products to make a creditable showing. In the years past—before the county had reached its present state of development—a good fair was held annually. We can do it again. Let the Board of Trade and the leading farmers and the stock men organize and let's have a rousing fair this fall.—*Maryville Enterprise.*

It is encouraging to see the Fair spirit budding forth, and we hope the farmers in the counties mentioned will rally to the publicity given, get together and have an exhibit of their various farm products, including poultry, horses, cattle, hogs, sheep, etc. If you have not read the able article in the July HEN on County fairs by E. W. Randall, do so, by all means. A free copy may be had for the asking.

* * * *

SECRETARY NATIONAL WHITE WYANDOTTE CLUB

THE INDUSTRIOUS HEN has paid little attention to the fight made on Ex-Secretary Ross P. H. Hallock, of the National White Wyandotte Club, for the reasons that there are

always two sides to every question; that the poultry press was not the place to try the case, and that our readers being interested in all the clubs, were not sufficiently interested in this controversy for us to devote the necessary space to its discussion. The matter should be settled by the club. In this connection we desire to recommend the selection of a new secretary from the South. Not that we would even suggest sectional lines, because the interests of the poultry industry of the United States are far above any petty sectionalism; but because we have a man in our midst who is thoroughly capable, well qualified, and who is not only willing, but for the sake of the breed he loves so well, is glad to accept the position. E. L. Doak, of Nashville, Tenn., to whom we refer, is a conscientious and successful business man, and a prominent White Wyandotte breeder, and we believe the members of the National White Wyandotte Club can make no better choice than to elect Hon. E. L. Doak as their secretary.—L.B.A.

* * * *

CAUSES OF AND REMEDIES FOR POULTRY DISEASES.

Special Representative Judge S. T. Campbell has returned from Cornell University, Ithaca, N. Y., having been called there to attend a conference of Investigators and Instructors in the Poultry Field Research. An organization was perfected with the following list of officers elected:

Professor W. R. Graham, Guelph, Canada, President; Professor James Dryden, Corvalis, Oregon, 1st. Vice President; Dr. Raymond Pearle, Orono, Maine, 2nd. Vice President; Professor J. E. Rice, Ithaca, N. Y., Secretary-Treasurer.

Directors—J. P. Kerr, Mississippi; Horace Atwood, West Virginia; S. T. Campbell, Ohio; H. C. Pierce, Iowa; R. R. Slocum, Washington, D. C.

The battle lines were formed for a united charge in the way of investigating the causes of and remedy for the many diseases which result in such great mortality to chicks.

With such specialists as Dr. G. B. Morse and R. R. Slocum

in the employ of the government at Washington and the investigators at the State colleges and experiment stations throughout the country engaged in a united effort to find out the cause of and suggest remedies for white diarrhoea, roup, and kindred diseases, much valuable information must be the result, and great good accomplished. It is now the duty of every State and Province in America to establish a Poultry Department in connection with State colleges. No branch of agriculture can appeal so strongly to the people, none be so popular and but few as profitable as poultry culture, yet this branch receives less consideration by the State colleges than any other. It behooves the poultry journals and the breeders of poultry to begin an active campaign along this line, and demand due and just consideration of the important and growing industry of poultry culture—teaching the farmer how to produce better poultry and more of it, how to increase egg production, how to feed and grow poultry at least possible expense, how to prevent diseases, etc.

* * * *

THE WIFE AT THE POULTRY SHOW

Does the poultryman of this country prize the good wife as highly as he should?

In the rural districts the writer has noticed the farmer's wife to be the hardest "workman" on the farm. They invariably find something urgent that necessarily must be done. In a majority of instances the women keep up the poultry department; keeping everything moving along on a paying basis; seeing that everything about the poultry quarters are kept in a first-class sanitary condition; as a rule she works from 4:30 A. M. until 9 P. M., besides putting in extra time at night caring for the little ones. Should she not receive a recompense of reward, instead of being deprived of a great many pleasures that she might have enjoyed if the husband had only been a little more thoughtful? The writer will venture to say that the women of this country has done as much towards bringing about the present activity in poultry culture as any of the men folks. We beg to say the women do not receive the proper credit for the great work they have done and are doing in the poultry world. Had it not been for the influence of the good housewife possibly there would not be a poultry journal in more than half the homes they are now in. I know personally of a good wife in "Old Kentucky" that does all the house work, does all the mending for a family of seven, and raises from fifty to one hundred high bred turkeys annually, as well as manufacturing butter in large quantities that compares favorably with the highest grade creamery butter. Such a wife is certainly beyond value estimation. Fortunately this lady shares equally all the pleasures of life with her husband, but where one receives her share of pleasures, hundreds do not. Believe me, we are forced to conclude the housewives in a majority of instances are kept in bondage, never receiving a single cent of spending money, being compelled to remain in some isolated summer kitchen from early morning until late at night.

Will you not turn a new leaf this fall, take your wife with you to the State fair; allow her to enjoy one week of real pleasure? You will feel better by so doing, besides, the wife will return to her duties with renewed interests, feeling a greater interest in you and your welfare; remember it is the everlasting grind that wears out the life of a woman. She requires an outing as much or more than the men. Allow her the income from the poultry to spend at her option. If she has pure bred fowls she will soon save sufficient funds to pay the expenses of a trip to the county or state fair. It is money well spent, visiting the fairs. The knowledge you will gain will more than pay you for the time and money expended, if you should visit the fair for educational purposes. Considerable time and money is lost if you put in your time tottering around the refreshment stands and side shows. Spend your time at the agricultural departments, grand arts, poultry exhibits and live stock departments. It will not only give you a better idea of what it takes to constitute first-class stock, etc., but will encourage you to improve your methods of doing things in order to cope with your neighbors that have been successful at the fairs. Just mention to your good wife the fact that you have concluded to take in the fair this fall, if she wishes to accompany you, and see if she will not accept the opportunity. It will be the best time of your life—an event long remembered.—J. C. C.

* * * *

A PROFITABLE SIDE ISSUE.

A private trade in dressed chickens may be worked up in almost any good sized town or city and the poultryman who caters to this class of trade is putting all the dealer's profits into his own pocketbook. We find a great many people who like to have a



pair of nice, plump broilers for their Sunday dinner, regardless of the season, and they are willing to pay a good price for a fancy article. We started in this line by placing a small ad in a local paper for a short time, at an expense of twenty-five cents. From a small beginning our trade has grown steadily, without further effort on our part, except to always furnish a strictly gilt-edged article. The demand is principally for broilers weighing a pound to a pound and a half, dressed weight, and for which we receive thirty-five cents per pound. During the late fall and winter, there is a limited demand for roasters weighing four or five pounds, but the demand for broilers is continuous the year round and the price remains the same whether it be in July or January.

We put the chicks up and crate feed for a week or ten days before killing. Feed consists of two parts corn meal and one part shorts wet up with milk and fed twice a day. A last feed at night consists of cracked corn, all they'll eat. Milk is given them to drink, also plenty of pure water.

We kill by decapitation, scald, pick and pin feather as quickly as possible, remove feet and entrails, tie skin over neck, tie down the thighs and then plump by dipping for a few seconds in boiling hot water and then instantly drop in cold water and leave till cool. Removing them from the cold water they are dried inside and out, the giblets returned to the body cavity and the bird is then wrapped, first in waxed tissue paper and then plain white paper, upon which the weight and price is marked, and they are then ready for delivery at our customer's door.

We always have a supply of killers ready and fill orders by 'phone any day in the week, provided the order is received at the farm the day previous. This has proved to be the most profitable branch of our business outside the "fancy" and we believe that many of our poultry growers who are at a loss as to how to get the most profit out of their cull or market stock could very advantageously adopt this plan.

Having a good market for the cull birds, removes the temptation to the breeder to hold over any birds in which there is the least doubt as to their quality and merit.—G. C. WATKINS.

* * * *

TO BOOST THE POULTRY DEPARTMENT OF THE STATE FAIR

The breeders of Columbia, Tenn. and Maury County, instead of holding a poultry show this winter have decided to throw their strength to this department of the State Fair. If we could have the combined efforts of every county in the State for a grand fall fair at the capital, and later on hold our local poultry shows, the good results to be obtained by breeders would be incalculable. We want to get away from this narrow, jealous idea that our interests are confined to the boundary lines of a county. The State Fair is being held at our capital, and every citizen of the state should feel a personal pride in its success. After we have all done our duty by the State Fair, let us show our best to our home people, the great majority of whom could not attend the former. We wish it were true that every county in the State would rally to our State fair in September.—L. B. A.

* * * *

THE SOUTH AT NIAGARA

F. J. Marshall, of Atlanta, Ga. was relected President of the South Central Branch of the American Poultry Association and in that capacity goes to the annual meeting at Niagara Falls, Aug. 10-11 and 12, as a member of the Executive Committee from the South.

* * * *

JEANERETTE POULTRY FARM

With the experience of a successful show last year, greater enthusiasm and a solid financial backing, the 1908 Jeanerette show promises to be one of the best in Louisiana. The show is under the management of C. L. Monnot, who will spare neither pains nor money to make it a success. The exhibitors of last season have nothing but praise for the fair manner in which the show was conducted, and the unbounded hospitality of the people of Jeanerette. The number of exhibitors will be larger and a greater variety of breeds will be shown this year. The Association owns a full line of first-class show coops, and is doing a great work for Southwest Louisiana in revivifying the poultry industry for which that section of the State is peculiarly well adapted. With the great New Orleans market within a reasonable distance the raisers of poultry can be sure of a good price, and an unlimited demand for all they can produce. There is no good reason why this section should not develop into a great poultry supply point for the New Orleans market. The Jeanerette people have the energy and spirit of progress. Watch them grow in the poultry business.—T.L.B.

"QUALITY SHOW OF THE SOUTH."

Augusta, Ga., comes to the front this month with a half page ad for her show in November. Every prominent show to be held in the South this winter should have a display ad in **THE HEN**. It will be worth many times what it costs. It shows public spirit, thrift and enterprise. **THE HEN** is glad to give all the gratuitous publicity necessary for the publishing of show dates, but every show of any pretensions should carry a display advertisement. **THE HEN** goes into the homes of more poultry people in the South than any poultry journal published. We make a special rate to shows, and hope to see them take advantage of it.

* * * * A CRESTED SCREAMER

Mr. John A. Murkin, Superintendent of the Tennessee State Fair Show informs us that he will have on exhibition at the Poultry Show at the Fair this fall a Crested Screamer. This specimen has been imported from South America by Mr. Percy Warner, President of the Nashville Street Railway Co., who owns one of the rarest collections of pheasants, water fowls, etc., in the country. It is about four feet high and resembles in some respects an ostrich. The Crested Screamer is said to be a great protection to poultry from hawks. It makes a peculiar noise when the hawk comes around, and goes after him in a manner that either puts him to flight or out of business.

* * * *

AMERICAN VARIETIES THE BEST.

According to the British Fancier the American varieties of fowls—the Rocks and Wyandottes—are the best general purpose fowls in existence to-day.

THE INDUSTRIOUS HEN SILVER LOVING CUP.



Is free to Secretaries of shows. We have a proposition whereby every Secretary can get one or more of these beautiful silver loving cups without costing one cent. The cup is beautifully chased and engraved, gold lined, and stands 9½ inches in the clear. Many Secretaries were so well pleased last year that they are writing for the proposition again.

We have received many such letters as the one below:

Rantoul, Ill., June 15, 1908.

Industrious Hen Co., Knoxville, Tenn.

GENTLEMEN—"The cup you gave us last year was a beauty, and was awarded to the member of our show who had the best exhibit. M. Clark, manager of the Mink Grove Poultry Farm here, received the cup, and he is very proud of it. We shall accept your proposition again this year."

Yours truly, C. A. GRAY,
Secretary and Treasurer.

THE HEN'S Cup at the State Fair, to be held at Nashville September 21 to 26, 1908, will be awarded by the Fair for the highest scoring pen of birds exhibited, any class. There will be many competitors for this beautiful cup, and we have placed it where quality will win.

TURKEY DEPARTMENT

All inquiries should be addressed to MRS. J. C. SHOFNER, Mulberry, Tenn.

Enemies of Young Turkeys.

Written for the Industrious Hen.

It is now the especial season to watch after the return of our turkeys at night, as there are so many enemies of prey hunting for fresh blood for their young, sometimes destroying whole flocks at one raid and carry off to dens enough for several days' rations. I speak of Madam Fox, whose cunningness and bravery we all should fear. Every afternoon I locate the whereabouts of my flocks, as it is quite a loss if we lose our turkeys at this age. We must not forget to watch after lice yet; use a small amount of grease of some kind, I prefer hog's lard, two parts and coal oil one part, with a few drops of carbolic acid in it, used every week or ten days. They are strong enough now to stand the oil and not weaken them; if used on very small turkeys it seems to weaken them, consequently I use a standard insect powder until they are six or eight weeks old, then there isn't anything better than oil that kills both lice and nits, on all it touches, but we must not give drastic dips of oil, only a little on head, in between wing quills and around vent. There are three or four kinds of lice on the same turk, but the grease brings the answer for all. One will find the large gray louse on back and fluff. They are almost as large as a hog louse. Then there is a long red, quick motion, blood sucker, found usually under the wings. The small white lice between wing quills up next to web of wing, are very numerous and destructive, and unless one is real quick in perception they are likely to scamper away and one declare "no lice," but they are usually there and I raise up those short feathers and give the place a little oiling, anyway, and usually see a commotion of lice. There is another kind of louse, a small, long bodied, black fellow, that is usually found above the wing and around neck and breast. They look very much like an oat mite, only they are considerably larger. This mixture is an all sufficiency for all grades and kinds of lice prevalent among domestic fowls, and is something most of us carry in our homes; it is also just as good for our Southern chiggers that sometimes make great sores on young turkeys.

I might name another class of enemies to young turkeys. This class means to be their best friends and are most interested in their welfare, this is the *heavy feeders*, who do not study the nature of the different classes of fowls. We may feed chickens all they will eat three times a day and they thrive on it, but as sure as we feed turkeys all they will eat, supplied food, three times a day, we will not have them to feed long. They must range for wild food, from early morn till late at eve, and the supplied food at morn and eve should never be all they will eat. Table scraps, gathered through the day is an excellent feed at eve during the months of July and August, adding grain gradually in Sep-

tember and October. They gather seeds of various kinds during the day and mix it along with insects of various kinds; milk, set in pans over night and clabbered, makes a fine morning ration before leaving for their day's journey. This is a supply of water and food both in one, yet I am a great advocate of plenty of fresh water when they first come down from roost. I have noticed they drink more than any time during the day, hence the great importance of cleanliness of water vessels. They should be sterilized thoroughly and a little copperas or carbolic acid used as a rinse before putting water in each time; running water is best for them, but many times we are not blessed with these natural surroundings, but if we follow nature as near as possible with our supply we are more sure of success. As our fields are now just harvested and lots of grain left, plenty of insects and green stuff, I prefer only enough supplied food to bring them home at night, for safety, and one who raises turkeys successfully has range enough for cows to give the milk for them in the morning. However this is not an essential to their existence, but a builder of bone and early development of body. Feather making is hard on fowls of any kind, and many times they appear sick during moulting season. When this is the case many times off-colored feathers appear when possibly the previous season they scored up in the nineties. I sometimes feed a small amount of sulphur before and during moulting season.—MRS. J. C. SHOFNER.

Turkey Quills.

All successful turkey breeders, however they differ in methods of feeding and caring for the young, agree that cleanliness and freedom from lice are prime essentials.

An Indiana turkey raiser says she occasionally mixes the following compound in the feed: One part sulphur, two parts black pepper and three parts charcoal.

A good remedy for worms in turkeys is said to be turpentine and lard, followed by a dose of castor oil. Use one part turpentine to four parts lard, and give a grown turkey a teaspoonful, and young turkeys about half the quantity.



FOR SALE!

Mammoth Bronze Turkey Eggs

What every one wants is size and plumage combined. I have it in my flock this 1908 season, with "Southern Prince," line bred, weight 50 pounds, score 97 1-2, his sire, Goliath, weight 48 pounds, score 97 1-2, with Jumbo Jim, grand sire, by hen, weight 47 pounds, second prize winner at St. Louis World's Fair, 1904. Southern Prince heads Pen 1, mated to 8 fine, large females that will score at least 95 points. Pen No. 2 consists of 8 fine pullets mated to a 35 pound ckrl, score 96 1-2, 1st prize winner at Lebanon, Tenn. "Like will produce like," and this is what my customers will get in these eggs. Satisfaction guaranteed as represented. Correspondence solicited. B. P. R. chicken eggs from best prize winning strain, \$1.50 per 15.

BOONEVILLE POULTRY YARDS, MRS. J. C. SHOFNER, R. I., Mulberry, Tenn.

Miller Purvis says that if Epsom salts were given to young turkeys once a week, as they were growing up, in about the proportion of a teaspoonful to twelve birds when they are small, and from that to a teaspoonful to six birds as they increase in size, a good many more would be raised to maturity.

We Lost on This Deal.

Newport, Tenn., Feb. 24, 1908.
Editor Hen—I will have to request you to discontinue my ad from your March issue, and allow me to cancel my contract, for I am entirely sold out of turkeys. I will advertise again next winter. Yours truly,
MRS. J. S. SUSONG.

MAMMOTH BRONZE TURKEYS

Prize Winners at South's Greatest Shows.

At Nashville, 1907, 1st cockerel, 2nd pullet, 1908, 2nd and 4th cockerel. At Knoxville, 1906, 1st cockerel, 1st pullet, 1st tom, 1st hen; 1908, 1st tom, 1st hen.

**EGGS FROM PRIZE
WINNERS FOR SALE**
BARRED PLYMOUTH ROCK CHICKENS
FROM PRIZE WINNING STRAINS.

MRS. W. J. LANDESS,
Route 5. Fayetteville, Tenn.

BIG BUFF PLYMOUTH ROCKS

OF QUALITY, STANDARD WEIGHT

With a clear even, rich deep golden color. We can furnish you the finest show specimens, sired by the noted "King George," the most typical Buff Rock the world has ever seen. Our winnings at Louisville, Ky., Jeffersonville, Ind., and many other National shows prove the superior quality of our Buff Rocks.

Choice Breeders \$2.00 and Up.

We have furnished more winners for National shows than any Buff Rock breeder in the Middle West.

OUR "GIANT" STRAIN BRONZE TURKEYS are certainly grand this year, possessing enormous bone and frame, fine in markings. We have furnished the winners for a number of the leading shows for the past several years.

OUR PEARL CUINEAS

are fine in plumage and great layers.

J. C. CLIPP, Box 700 Sa tillo, Ind.
Satisfaction guaranteed in every sale.

Mrs. Francis Spain Griffin,

Breeder and shipper of Belgian Hares, Lap, English, Himalayan, Angora, Dutch and mixed rabbits. Also high class ferrets, poultry and fancy pigeons. Satisfaction guaranteed or money refunded. Correspondence solicited.

1798 Faxon Ave., MEMPHIS, TENN.

PIGEONS AND BANTAMS

All inquiries should be addressed to E. E. PRYOR, Martinsville, Ind.

Breeding House.

For a breeding pen it is not necessary to build a house for this especial purpose. If you have an old poultry house, shed or barn loft or an attic, which is available, it can be remodelled at a slight expense and used until such time as your flock has increased so greatly as to necessitate your building of a new house. In this way you get a start in the business without any big expenditure, which is usually necessary when new buildings must be erected.

It is best, especially in cold climates, to have the breeding pens have a somewhat southernly front, but if you are unable to arrange the house in this respect for some reason or other, you need not get anxious, as an eastern front is considered almost as good as a southern front by many breeders of squabs, but we would advise you to try and not have your flying pens face the direct north or northwest in an open country, but if your houses are well protected in these directions very little harm will result.

The main points in the construction of your breeding pens are that they should be as nearly rat and damp proof as possible and arranged so as to get the benefit of the sun, which means that it is best that the houses face the east or south.

For a rat and damp proof house it is best to select a high and dry place for your building. You should also have a double floor made of a lower layer of hard pine spread two thicknesses of tar-paper over this and finish up with matched lumber about one inch thick or to doubly protect your house from either rodent or dampness, you can have a layer of asphalt or cement under the floor. A floor of this kind will last a life time. The roof may be shingled, or you can use three-ply tar paper with just as good effect as shingles, but care should be taken to give the roof sufficient pitch so as to properly drain.

The sides of the house may be built of plain matched lumber and clapboard or shingled with a layer of sheeting or tar-paper between, which will act as a protection against dampness and frost coming through the walls. At the present price of lumber a house of this sort would be quite expensive and for those who cannot meet this expense, I will say that tar paper will replace clap-boards or shingling well enough, but you should see to it that all seams are covered with tar or pitch to avoid the cold air getting in between the tar-paper and the siding.—*Melrose Squab Bulletin*.

Other Necessities.

Condition powder should be put in the drinking fountains to tone up the birds; it costs but a trifle; the same with lice powder. Use enough of the lice powder to prevent them getting a foothold. The powder is cheap and should be used frequently to good advantage. Pens infested with lice do not bring half the returns a well kept flock will when free from vermin.

A small piece of alum should be placed in the drinking fountains occasionally as it will prevent many cases of canker and souring of the crop which is so disastrous when once it gets a good hold on a flock. Enough can be purchased at a drug store to last a long time for a few cents.

Small balls of camphor should be placed in the nest pans and in the corners of the pens. The use of camphor balls prevents to a great extent the collection of vermin. It is sure death.

For nesting material almost anything can be used such as straw, hay, dried grasses or tobacco stems. Tobacco stems can be purchased at \$1.00 per hundred pounds from dealers, but most cigar makers will give you all you want for the mere hauling.

Earthen ware nest pans and drinking fountains can be purchased at reasonable prices from your nearest dealer in such supplies. If there is no dealer in such supplies in your vicinity that can be relied upon, we will inform you of reliable dealers upon receipt of your request.

Killing and Dressing.

It is always best for the breeder to have a certain day to do his killing and dressing. All squabs of marketable size should be gathered before the feeding time in the morning. Never kill a squab with a full crop as it causes additional work when dressing. A rack should be made by drilling numerous holes

in a board and nail out of reach of any rodents. In each of the little holes place an ordinary clothes pin. Now get your squabs within reach and kill in the usual way—by inserting a killing knife well into the mouth of squab and draw it forward, cutting clear into the head of the squab and hang by the feet between the points of the clothes pins and dry pick before the body gets cold. It is unnecessary to pick the wings or the head. Be careful and not tear the skin when picking as it greatly reduces the value. After the picking has been attended to do not allow the squabs to lie about but hang them up and do not let them get bruised and marked up. After squabs have cooled sufficiently they should be wrapped in nice clean paper and packed in boxes sufficiently iced for whatever distance they are obliged to cover. Shipping tag should be made and tacked on the top of the box and everything is ready for the express company, to whom they should be given as soon as possible.

Self-Feeder.

Any person interested in squab breeding who has other employment during the day and could not feed the birds their afternoon meal, a self-feeder could be used for this purpose. It can be made very easily. The interior should be made so that the grain will slide in front of the little holes as fast as the birds eat it.

The self-feeder and water fountains can be filled each night or morning and the birds are ready for the day. A nice little side income can be made by the employed person.

How to Tell the Sex of Pigeons.

Take a pigeon by the bill, holding feet with the other hand. If tail turns down while wings flap, it's a rooster; up, it's a hen. This is sure.



The biggest money makers for the poultryman during August are—

GERMOZONE AND LEE'S LICE KILLER

The only reliable cure for Cholera, Bowel Complaint, Roup, and other poultry diseases and the best vermin destroyer made. Guaranteed CHEAPEST and BEST.

GEO. H. LEE CO. Omaha, Neb.

LUMLEY'S Black Langshans

S.C.W. Leghorns, S.C. R.I. REDS, PEKIN & INDIAN RUNNER DUCKS, are Standard Bred and from the finest Laying Strains.

W. E. LUMLEY, Wrightsville, Ca.

A. V. MEERSCH, Poughkeepsie, N. Y. Meersch's new Pigeon Book, second edition just out, thoroughly revised and with numerous additions; treating on the management of pigeons for pleasure or profit, elegantly illustrated, price 25c, in stamps, postpaid from the author.

INDUSTRIOUS HOUDANS

As show birds and winter layers, they have never been beaten. I won my first show record in Kalamazoo, Mich., in 1891, and have been first prize winner ever since. I have line-bred from imported stock from the start and can suit the most exacting. EGGS 15 for \$1.25: 50 for \$3.50; 100 for \$6.

A. A. CHIVERTON, Box 62, Livermore, Ky.

If you visit the Show next Winter you will notice my S. C. Rhode Island Reds. They are RED.

SAM M. COOPER,
FOUNTAIN CITY, TENN.

THE RELIABLE PHEASANT STANDARD

The recognized authority. The best and most practical guide of breeding Pheasants and ornamental birds; written by an expert breeder from practical experience. Handsomely and largely illustrated with 160 beautiful cuts from nature. A fine book, all new ideas, how to build, etc. 75 cents, by mail free. From A. V. MEERSCH, Poughkeepsie, N. Y.

MOFFITT'S

Perfection Ideal Aluminum Leg Band--12 for 12c; 25 for 20c; 50 for 40c; 100 for 65c. State variety bands are for. Send two cents for sample. For Poultry and Pigeons.

 Write to-day
for our
1908
4 weeks.
FREE Squab
Book,
PLYMOUTH ROCK SQUAB CO., 348 Howard St., Melrose, Mass.

WANTED

INFORMATION REGARDING
A GOOD FARM

for sale. Not particular about location. Wish to hear from Owner only who will sell direct to buyer. Give price, description and state when possession can be had. Address, L. DARBYSHIRE, Box 198, Rochester, N. Y.

BUFF COCHIN BANTAMS

Exclusively

The Lemon Buff Strain desired by all exhibitors—surface and under Buff. 61 ribbons in four shows—more than all competitors. Great layers, fine shape, very small. A square deal or your money back; honor more than gold. Eggs \$1.50 per 15. Stock for sale.

PRYOR'S BANTAM YARDS

E. E. PRYOR, PROP. MARTINSVILLE, IND.

SINGLE COMB BUFF ORPINGTONS

Years of careful line breeding have produced a family of birds extra strong in TYPE and COLOR. Great layers, mature in six months. Eggs that will hatch sure winners. Send for illustrated mating list.

H. H. KINGSTON, JR.

Brighton P. O., ROCHESTER, N. Y.


POULTRY MONTHLY
"THE MAGAZINE OF QUALITY"
Published in Syracuse, N.Y. Edited by D. M. GREEN Read Everywhere

One of the foremost poultry journals in the world. Beautifully illustrated and contains the best of everything pertaining to poultry. It is a leader in its class.

SUBSCRIPTION 50c PER YEAR.

Sample Copy Free for the Asking.

Special Offer—Send this ad. with 25c for a year's trial subscription.

POULTRY MONTHLY PUB. CO.
Syracuse, N.Y.

KENNEL DEPARTMENT

All inquiries should be addressed to S. S. NOBLE, Bloomington, Ill.

The Scotch Collie on a Poultry Farm. One of the Most Intelligent of Animals and a Valuable Assistant to the Farmer and Poultryman—Some of His Traits.

The present day Collie is by nature a good-tempered, reliable, intelligent dog, and as a workman, the most useful of the canine roll. Many people that have owned them testify to this every day. The very expression of the Collie seems to say, "What can I do for you?" or "Of what service can I be next?"

As a watch dog, he is ever on the alert, can tell a neighbor from a thief or bum, and never gives an alarm without cause. I could give several instances where he has in case of fire been the means of saving stock by his waking of his master, when otherwise everything would have been a total loss. To the poultryman, he is his best friend. He will keep away foxes, kill rats, weasels, cats, other dogs; will herd your own

leashed returning to their home. My experience has been that it is best to watch a good Collie pretty close, as there are a lot of people willing to find a handsome animal before he is lost.

It is remarkable the prices they sometimes bring; the writer knows of one sale of one animal being \$7,500; two at \$5,000 each, and many at prices that seem fabulous to the uninformed.

Accompanying is a half-tone of a typical Collie I own. I have been breeding, importing, buying, selling and trading in Collies for twenty years, and in that time have handled perhaps more Collies than most men, and many of them of the very best. I am considered an authority on Collies, but I wish I now knew what I thought I knew twenty years ago—this article would then be interesting.—S. S. Noble, in *Reliable Poultry Journal*.

Handsome and Desirable Animals.

Up among the redwoods of Sonoma county, a short distance north of Monte Rio, is a beautiful spot called Mesa Grande, one of the summer vacation places and a delightful locality for a permanent home. This place has recently been granted a postoffice, but Uncle Sam has named the office Grandville. Here resides Mrs. C. K. Morse, whose postoffice address formerly was Monte Rio. Mrs. Morse is an enthusiastic fancier of Scotch Collie dogs, as well as Buff Plymouth Rocks, but she thinks that taking care of and rearing puppies is much more interesting than working with chickens. She has some beautiful animals as foundation stock, and their progeny are dogs that show their breeding right from the start. If poultry raisers generally knew the advantage and satisfaction attached to owning a highbred Collie she could not fill the demand for puppies. As it is now, she has many well-pleased customers and the fame of her stock is constantly spreading. It is safe to say that the poultry raiser who owns a Collie will not be troubled with chicken thieves, hawks or coyotes, and his children will have a faithful friend and guardian.—*Petaluma Journal*.

fowls and keep your neighbor's away—so intelligent is he that it is not really safe to bring in your yards a strange fowl without letting him know it, as he will discover it very soon and drive it away or kill it. If birds are kept yarded for a long time, it is not safe to turn them out without letting him know, for he will shut them up again if possible.

He is never sensitive, and this is often attributed to shyness. He is sometimes accused of being a loafer or a bum; that he will stray away and get lost. This we find upon investigation is not true. He is very affectionate, and if found on the street and taken away by some one, shut up and kept shut up, and cannot get home; then turned out he will at once go home.

SUNNYBRED MASTERPIECE.

This shows the right type. Head and ear carriage are fine. This dog was a winner of seventeen prizes in England and Scotland and is regarded by the best judges as one of the very best. Recently imported by S. S. Noble, Bloomington, Ill.

He is never sensitive, and this is often attributed to shyness. He is sometimes accused of being a loafer or a bum; that he will stray away and get lost. This we find upon investigation is not true. He is very affectionate, and if found on the street and taken away by some one, shut up and kept shut up, and cannot get home; then turned out he will at once go home.

I have known instances of Collies less than one year old being sold, carried away in a crate, hauled thirty miles, kept shut up for a few days, and when re-

We have no puppies this month for sale, but have three brood bitches due in September. These puppies are out of Biltmore Queen, Parbold Daisy and Beauty Bright, by Ben Hur and Christo two as finely marked and as intelligent stud dogs to be found in the South.

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Dogs Have Worms. Dogs Have Distemper. Dogs Get Out of Condition.

If you have a good dog, keep him in condition and free from worms and distemper by the use of the C. S. R. Remedies. They are the best on the market today.

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We believe our strain of dogs is not excelled by any kennel in the country, either in breeding or marking. None but pedigreed puppies sold which are entitled to registry in the *American Kennel Club Stud Book*.

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The editor of *The Dog Fancier* has a preparation that will positively remove all fleas from dogs and cats. It is harmless to the animal or coat. Sent, postpaid, for 50 cents. *The Dog Fancier* is a monthly illustrated publication, devoted solely to dogs. Now in its 17th year. Will send you a sample copy on request. Subscription price 50c a year. Address the Editor, EUGENE GLASS, BATTLE CREEK, MICHIGAN.

THE KENNEL REVIEW

is now running a splendid series of articles on "GREAT ENGLISH SETTER SIRES, PAST AND PRESENT," by H. S. BEVAN, a very interesting series by CHARLES ASKINS, on "GREAT POINTERS OF TO-DAY," and one of the best series of COLLIE articles ever published on "PRESENT DAY COLLIES" by a well known Collie breeder.

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BOYS' DEPARTMENT

Address all communications for this Department, or concerning the Boys' National Poultry Club, to ROBERT G. FIELDS, 33 Caruthers Ave., Nashville, Tenn.

Club Specials.

According to by-law No. VIII, the B. N. P. C. may each show season offer three sets of ribbons, three ribbons to a set, one set to be placed by the President, one by the Vice-President, and one by the Sec.-Treas. These are to be offered for the first, second, and third best displays shown by members of the B. N. P. C.

Only two sets were placed last season, as our President had promised a cup, and this cup was to go in place of his set of ribbons. For some reason best known to Bunch this cup was never seen. But the ribbons proved a success. Our Vice-President chose the Charlotte, N. C. show and the Sec.-Treas. chose the Nashville, Tenn. show. The boys turned out in force at Charlotte, and it is hoped that a set will be placed there next season. The Nashville show was not as strong in boy competition.

Our esteemed Ex. Com. Chairman, Archie E. Vandervort, offered to donate a silver cup the coming season at the New Berlin, N. Y., show if the Club would give one also. But owing to the treasury stringency, the Sec.-Treas. was forced to decline this kind offer for the present; nevertheless thanking the said Chairman most heartily. It is hoped that all who are in debt to the Club will meet their debts fair and square, so that we will not be forced to refuse so kind an offer again on account of a lack of funds. You might also help by getting a few new members. Won't you do that much for the Club of which you are a member?

The following letter was received by the Secretary-Treasurer a short time ago. It shows what outsiders think of our Club:

"Your catalogue received, and am very much pleased with same. Enclosed find 25c for my fee to the B. N. P. C. I think this Club will do a great deal of good for the boys, and believe it will be a great success. Yours truly, Gear H. Stiles."

Nominating Officers.

The time is at hand in which we may nominate boys for the offices to be voted upon in the next B. N. P. C. election. Any two members may nominate any other member for any office they wish. In making out your nominations, it would be best to nominate only boys whom you think would work hard, and nominate them for the position to which you think they would be best fitted.

In nominating, make out upon a slip of paper the following statement, giving date at top:

We, the undersigned, hereby nominate for the office of of the Boys' National Poultry Club, and will give him our support if he accepts the nomination.

Signed:

Mail this slip to the Secretary-Treasurer. You may send in the nominations

at any time between now and Oct. 1. The Boys' Dept. is open to all candidates who wish to write a few words requesting the members to vote for them, provided the letter does not contain more than 100 words.

Club Notes.

New York has had more new members enrolled since the catalogue was printed than any other state.

Send in your ad. for the catalogue now and get it placed on the cover. We're going to have a dandy this time.

Why not have our election in October? Then the newly elected boys could place the Club ribbons next winter. Ask the Executive Committee to do it.

Please do not send articles intended for this department to the INDUSTRIOUS HEN Co. Send them to the Boys' Department Editor, at Nashville.

Keep in touch with the Club; read

the Boys' Department, correspond with the officers and members, and ask any questions that you would like answered.

All members of the B. N. P. C. can get THE HEN for half price (25c) by sending their subscription to the Boys' Department editor. If your subscription has expired, renew at once and keep in touch with the Club.

Potts has suggested that we add a Second and Third Vice-President to our list of officers, and another member has suggested that we add only a Second. This will come before the Executive Committee in September.

There are twenty-six varieties of fowls bred by members of the B. N. P. C., as well as pigeons, ducks, geese and turkeys. Barred Rocks are bred by more B. N. P. C. members than any other variety, with White Wyandottes next, and Brown and White Leghorns tied for third place.

SEND A 2¢ STAMP for the finest R.C.B. Minorca Catalogue. Ever published. Twenty-eight pages full of illustrations of the kind that win the highest prizes. Write for prices on exhibition birds.

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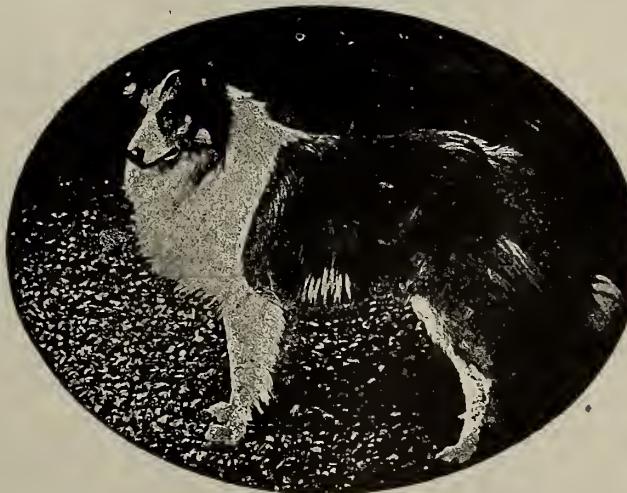
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S. S. Noble, of Bloomington, Ill., the largest breeder of Scotch Collies in the United States, has puppies, brood bitches and stud dogs for sale at reasonable prices. Fine puppies \$10.00 each, pedigrees with each sale. Satisfaction guaranteed. No catalogue. Don't write unless willing to pay \$10 for a fine pup. Reference, First National Bank.

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BRYAN'S COMMONER

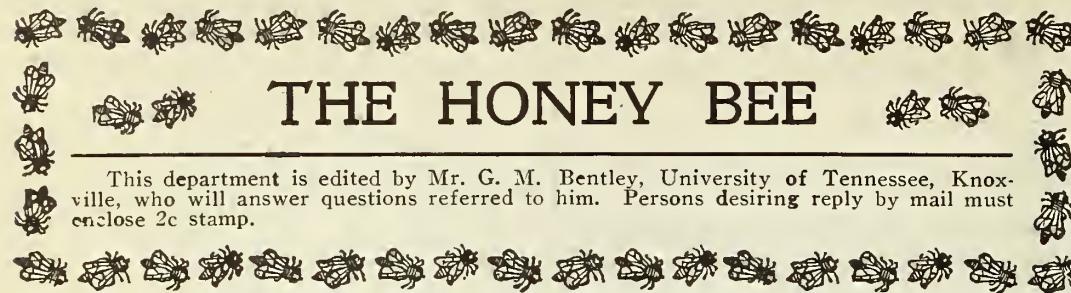
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THE HONEY BEE

This department is edited by Mr. G. M. Bentley, University of Tennessee, Knoxville, who will answer questions referred to him. Persons desiring reply by mail must enclose 2c stamp.

BEE PUBLICATIONS.

THE INDUSTRIOUS HEN	will be sent with the following:
PRICE FOR THE TWO	OUR PRICE FOR BOTH
\$1.50 Gleanings in Bee Culture, SM.....	\$1.00
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NOTICE.

Those interested in bees may feel free to write to the editor of this Department and ask any questions they wish. In replying only initials will be published.

Hints for Beginners with Bees.

A great many people refrain from starting little apiaries for home use only because they lack a little information that those of experience are able to give. It is for those that I pen these lines. If you do not want to make bee-keeping your exclusive business and give it all your attention, do not get too many colonies to start with, until you have had some experience with bees. For a beginner that wants to keep bees for honey for his own use, from three to six colonies are enough to start with. Also a good smoker, a bee veil and from five to ten one and a half story new hives, to put any new swarms in that may issue in the spring. The best hive for a small home apiary is the eight frame, standard size, one and a half story. This hive has a super full of shallow frames over the brood nest and the honey can easily be cut out of these and packed in cans as often as they are filled by the bees.

It is not advisable to buy a honey extractor unless you have twenty colonies or more. But it is necessary to have at least one and a half pounds of comb foundation for every five hives, to use as starters in the frames. This, if properly put in, will insure nice, straight combs. Have your new hives nailed and painted, frames wired and foundation starters inserted ready for the new swarms.

When the new swarm comes out, take a comb out of the old hive containing honey and brood, place this in one of your new hives and hive the swarm in this hive by taking out two or three empty frames. Now shake in your new swarm, replace the empty frames and put the cover on quickly.

Another way to hive a swarm is to put an empty hive body or super on the bottom board, or hive stand, shake the swarm in quickly and set the hive containing the frame of honey and brood and empty frames on top of this super and the bees will generally go up and cluster. In a few hours or at night you can take out this empty super beneath the hive. After a few attempts you will be able to do it successfully.

The reason for putting in the frame of brood in the new hive is you will have better success in keeping your new swarms, as they often persist in coming out again even after they are hived, unless brood is given them.

A beginner should never undertake to

hive a swarm without good protection by a veil or gloves. An apiarist often works for months without either veil or gloves; indeed, they are a nuisance, but he knows the nature of his bees and knows how to manage them to avoid stings.—A. M. LATHAM.

Bee-Moths Non-Tuberculous.

A European investigator, S. Metalnikoff, says: On account of the fact that tubercle bacilli are surrounded with a waxy envelop, which appears to serve the purpose of protecting them against digestion and destruction by the fluids of the animal organism in which they are found, the idea originated of determining whether animals which naturally digest wax are immune to the tubercle bacillus.

For this reason the bee-moth was chosen as the most suitable species, since it lives largely on beeswax. The insect was found to be absolutely immune to tuberculosis.

When tubercle bacilli were inoculated into the larvae of bee moths, the bacilli were rapidly destroyed, being transformed within a few hours into a brownish, pigment-like mass. This destruction was accomplished partly by the ordinary leucocytes and partly by giant cells.

It was found in experiments on guinea pigs that these animals when vaccinated with the blood obtained from bee-moth were rendered highly resistant to tubercle bacilli.

INDIAN RUNNER DUCKS.

First prize winners at World's Fair, St. Louis' Mo.; Herald Square, New York; Kansas City, Mo.; Chicago, Ill.

White Wyandottes, white as snow. State Show winners, Silver Cup winners. Birds score to 96, Pen to 101. Catalogue free. Expert poultry judge. Write me for terms and dates.

R. L. CASTLEBERRY, - McCune, Kans.

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Blue Blooded, Well Bred, Well Raised Winners.

My birds are good to eat, good to lay, good to show. Won at Knoxville, Dec. '06, 1 ckl; 1, 2, 3, 4 pul; 1 pen; club specials for best cock, hen and pen and Grand Silver Cup of N. S. C. Buff Orpington Club. Eggs \$3.00 per setting.

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Offers rooms with hot and cold water for \$1.00 per day and up; rooms with private bath for \$1.50 per day and up; suites of two rooms and bath for \$3.00 per day and up. Weekly rates on rooms with hot and cold water and shower baths, \$6.00 to \$9.00; rooms with private baths, \$9.00 to \$12.00; suites of two rooms and bath, \$15.00 to \$22.00.

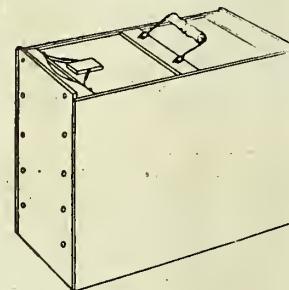
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Hoskin's Egg Case.



Made of wood, good material, painted, strong. Size: 17 inches long, 8 inches wide and 13 inches deep. Holds 15 dozen. Has adjustable top that fits into the crate any depth desired. The fillers are arranged in small strong boxes, each holding one dozen eggs.

Patent Pending.

This crate is handy for those who go to market in a buggy as the crate is small enough to set in the bed back of the seat, or in front, and leave plenty of room for the feet. When the eggs are delivered the boxes may be folded, placed in the bottom of the crate, and the crate filled with groceries or other purchases. This crate is handy for those who sell to regular customers. By having two sets of boxes the eggs may be delivered in the boxes, and the empty ones returned.

The price of this crate is 75c. or two for \$1.25. THE INDUSTRIOUS HEN Co. have made arrangements with Mr. Hoskins for 1000 of these egg crates to be shipped to our subscribers. We will send THE HEN one year and one of these crates for 80c.; THE HEN three years and one crate for \$1.50; THE HEN 3 years and two crates for \$2.00. Send orders to THE INDUSTRIOUS HEN CO., Knoxville, Tenn.

Tennessee State Fair, Nashville,
September 21 to 26, 1908.

COLUMBIAN WYANDOTTES

For Vigor, Beauty and Heavy Laying our Columbians are unsurpassed. Eggs from prize matings at attractive prices.

H. E. CAIN,

ASHEVILLE, N. C.

THE DAIRY

Edited by James N. Price, B. S. A., Instructor in Dairy Husbandry at the University of Tennessee

An invitation is extended to our readers to contribute their experience to this department. Inquiries answered.

North Carolina Jerseys.

Last spring I sold to J. W. Robinson, Newton, N. C., six cows and a bull. Recently I sold him four more cows. My herd of 37 averaged 383 lbs. butter last year; six of them averaged over 600 lbs. My best cow, Ora of Oakwood 192398, a 3½ year old, with second calf, made 677 lbs. Thirty of the 37 averaged over 400 lbs.

I am proud of this record when I take into consideration that I have bred every cow in the herd. With Eminent 10th at the head of my herd, I think I will soon have something that will do to advertise. Eminent 10th was bred at Bowmont Farms, Salem, Va. He is by Eminent, out of Fern's Dispatch, a daughter of Carnation's Fern Lad.

The boy holding the bull is R. L. Shuford, Jr., and is now seven years old. He milks seven cows regularly, and has milked as many as nine cows in 60 minutes. No need for a patent milking machine at this dairy.

I have been almost alone raising Jerseys in this section but for two years past I find quite a change, as some half-



SULTAN OF BILTMORE 66300.

Sired by Trevarth 39284, dam Golden Blaze's Anemone 139078. Photographed with R. L. Shuford, Jr., son of the owner.

OWNED BY R. L. SHUFORD, NEWTON, N. C.

dozen or more men are now starting herds.—R. L. Shuford, Newton, N. C.

Dairy in Operation at the State Fair.

One of the most entertaining and instructive features of the Tennessee State Fair, which will be held in Nashville in

the latter part of September, will be the dairy exhibit.

This will be run under the management of the Dairy Department of the Tennessee College of Agriculture Experiment Station at Knoxville. The display will consist of a complete working dairy equipped with the most up-to-date machinery and utensils, including the latest model milking-machine in operation. This latter is a sight that the general run of people never get to see.

Daily demonstrations in butter making, etc., will be given by students of the State University.

\$140 For Best Butter at State Fair.

In the Dairy Department at the Tennessee State Fair \$140.00 in prizes will be given for the best one-pound exhibits of butter in print. Of this amount \$100.00 is a pro-rata fund to be divided among all exhibitors whose butter scores 100 points or more. The judges will use the following scale of 100 points: Flavor, 45 points; body, 25 points; color, 15 points; salt, 10 points; package, 5 points.

Money For Good Dairy Records.

The Tennessee Dairy Association offers \$100.00 for the best four dairy records to be shown at the State Fair. These records are to cover not less than six months and not less than ten cows. The object of this offer is to improve the quality and quantity of dairy products in Tennessee and people who are watching conditions are very much gratified with the results.

The Dairy Female.

In order to get a profitable dairy cow it is essential that the foundation should consist of animals bred for dairy purposes. I have heard men claim that there was nothing in breeding, and that the ordinary animal would give as good results as an animal belonging to one of the dairy breeds, if you gave it the same amount of care and feed. I claim that there is as much difference between the heavy breeds and the trotting breeds of horses as there is between beef and dairy types of cattle. No matter how well you may feed a Clydesdale, he will never be able to trot a mile in 2.14. He has been bred for strength and not for speed. If you want dairy cattle you must go to the dairy type of animal. No dual purpose cow will combine the highest types of dairy and beef production, as dairy and beef tendencies are antagonistic. Dairy animals have been bred to convert a large proportion of their food into milk; on the other hand, beef animals have been bred to convert their food into flesh. In each case, and particularly with the dairy breeds, they have been bred for the purpose in view for so long a period that the tendency has become fixed, and the cow of the beef type, although she may be a fair milker herself, will rarely produce a calf that will become as good a milker as she is. There are some good dairy cows among grade Shorthorns, but purebred Shorthorns as a class are not profitable dairy cows. The reason is that purebred Shorthorns imported to this country for a number of years have been of the highest type of beef producing animals, and it is not to be supposed that such animals are capable of producing good dairy cows. We have four prominent dairy breeds, and I should not like to say which is the best. The breed a man fancies is the best breed for him to handle.

Heifers should be bred to calve at two and a half years old rather than at three years, as at the latter age they are apt to be a little too fleshy, which is a tendency to be avoided. After the first calving, they should not be allowed to calve again for eighteen months. Heifers should be handled as much as possible before they have their calves, as you will then have much less difficulty in breaking them in to milking than will otherwise be the case.—*The Farmers' Guide*.

Interchange Ideas

And take the *New Zealand Poultry Journal*, a splendid paper containing the poultry news of all Australia. We will have it sent direct to you for one year, with THE INDUSTRIOUS HEN, for \$2.00.

LILY'S SPOT 188431.

Butter record: 19 lbs. 11 oz. in seven days, 80.97 lbs. in 30 days, best day 3 lbs. Sired by Bill Hepburn 66189, dam Saola's Lily 187302.

OWNED BY R. L. SHUFORD, NEWTON, N. C.

LIVE STOCK AND THE FARM

Eulogy on the Hog.

The following remarks were made by F. D. Coburn to the Knife and Fork Club of Kansas City, and believing the truth and humor of his little speech will be appreciated, we gladly present it to our readers:

No reflection, hygienic or sanitary is cast upon your city when I say that, for the hog, it is the most unhealthful in the world. I can count back 64,000,000 of him that have come to Kansas City, and the records show all dead. Therefore, as his next friend, and of his family, I come to make a few remarks and introduce resolutions.

From antiquity, through the long progress of years, he has become civilized, is a debt payer, a mortgage remover, a buttress of prosperity. He yields great prosperity. He must be reckoned with by the luckless explorer of the Yukon. He is an automatic reducer of the corn supply and a raiser of the price. He is a bucolic bond whose coupons are large litters of pigs.

He is a patient pig, a condenser of ham, head cheese, glue, bristle, buttons, fertilizer, saddle covers and sausage. He is a mint, and the yellow corn is the bullion which he transmutes into coin. In all homes he is on the tables—high born, rich and poor. He is with the soldier in the camp and the sailor on the deep.

At \$2.25 per cwt. he is a plebian, and we won't speak to him when we meet him on the street. At \$7.25 per cwt. he is a gentleman and a scholar and stops associating with the country people. He comes to town and becomes an autocrat, but gets it in the neck at the packing houses, is bled to death, and becomes the commerce of the nation, the fat of the land.

The pig gets one luxury—dish water. Dish water contains preserves, molasses, pepper tomatoes, milk, onions, steak, gravy, pickles, grease, cheese, and exiled dish rags. It is sour and sweet, wholesome and toothsome.

In Texas they have the razorback hog. He is made up of Swiss cottage architecture. The highest peak of his corrugated back is six inches above his tail. His tail hangs like a dish rag from a back window. He leaves the impression of a man starting late to his office in the morning. He lives on roots and peanuts. He will help his neighbor gather the crop by crawling under the fence at night. Crossing him with blue blood gives little improvement. The only effective way to cross him is with a railroad train. He can hide himself in a hay stack where the hay knife has been rammed in and pulled out. His side meat is sometimes used for window glass. He is imperishable and can be used for a post-hole digger.

One enthusiast says that the pig would be a better emblem of our nation than the eagle. The pig is thrifty, peaceful, far more representative of American character than the rapacious eagle, whose beak and talons signalize nothing but war.

Napoleon lost at Waterloo because his army had soup and the English had bacon. Ingalls would have gone back to the Senate if he had not subsisted on oatmeal and baked apples. If you wish to rise to the glory of poetry and song feed the fodder to the cattle and eat the beef and pork yourself.

The hog is found highly developed among a high class of people. He is impossible among low people. In good environment the hog and his twin, the steer, are the chief alchemists of fortune. He makes iron nerves, cool brains and brave hearts. He put courage into the men at Manila bay; he cooled the heads of the heroes in the Chinese occupation, and he warmed the bellies of our gold hunters in the frozen north.

Keep the Ewe Lambs.

Lambs are high in the market this year again. Last year many farmers sold all their lambs, believing that this year they would be cheap enough so they could afford to keep the ewe lambs. Well, the price is higher than ever. The country shipper is trying hard to earn a dollar out of this circumstance and the temptation to sell all his lambs again is made very strong to the farmer, says the *Farmers' Guide*. Many of the breeding ewes are beginning to show their age and some have broken mouth. They ought to be made fat and put off and the ewe lambs kept to fill their places.

Then, if we have been using only pure bred lambs of high class, the ewe lambs should be of superior quality to the old ewes and by

keeping them the standard of the flock will be raised. "Well, I have decided to keep my best ewe lambs," says one. "There they are—as fine a lot as I have ever owned. They have been running in the clover field and corn field adjoining since weaned, on August 1, and now they look almost as large as their mothers. I believe I will breed them a little later than the rest of the flock and thus gain more profit."

But, hold! You must remember you never get something for nothing. You cannot eat your cake and have it, too. If you want a nice flock of good sheep you are going the wrong way toward that end when you breed the ewe lambs. Patience is one of the virtues a shepherd must learn. Great things require time in their accomplishment. Rome was not built in a day. Nature, too, has her compensations.

You can safely set it down as a true maxim that it does not pay to breed immature animals. Sheep are no exception to the rule. When the ewe lambs are bred they require a good deal of extra care in order to keep them growing and even then disaster often meets you at weaning time. Do not breed the ewe lambs. Feed them liberally and breed at a year and a half old, for best results.

Dipping Angoras.

Although the Angora is not subject to the seat mite which infests sheep, yet he has a parasite which seems especially adapted to him. The goat louse has been upon the Angora ever since he landed in America, over fifty years ago. Some of the older breeders used to say that the Angora was not healthy unless he was lousy. Today we know that it is impossible for a goat to be in prime condition and lousy at the same time. The question arises: how shall we get rid of the lice upon the goat? Some have tried blue ointment, rubbed into the groin or accessible parts of the animal. This is only partially successful, and the danger attending the use of mercury is extreme. Modern methods suggest the use of dips. The parasite is external and will die if suitable germicides are applied directly to the germ. But, having killed the louse, we still have the nit or egg of the louse to deal with. Probably we cannot use dip strong enough to penetrate and kill the egg without injury to the goat. Therefore, we must wait until the eggs hatch and then kill the louse. This requires a second dipping, and this dipping must be done before this generation has time to lay its eggs. This should be between six and eight days after the first dipping.

Hogs Made 417 Per Cent.

A little hog experience entirely devoid of hot air and pointing a moral so plain that no doubter can discredit it, is related by Col. Tom Callahan, Nebraska's apostle of better hogs and more alfalfa. It began with the purchase by a Mr. Wellman, of Center, Neb., of six Duroc-Jersey gilts at \$25 each. They were pure bred Duroc-Jersey, but were bought without record papers, Geo. Briggs & Sons, who sold them, considering the gilts not good enough for their breeder trade. From what follows it will be readily gathered that Mr. Wellman is fairly versed in the homely practices of swine husbandry. From the six gilts he saved 58 pigs of the 60 farrowed. To these and their dams he fed 150 bushels of oats and 400 bushels of corn, reckoning both feeds at 30 cents a bushel. The best five gilts and

the six yearling sows were retained for breeding and 53 shoats were shipped to market, selling at \$5.90 and bringing \$7.90. Estimating the five best gilts equivalent to the pasture and labor required to raise the crop Mr. Wellman had an income of about 417 per cent on his \$150 investment. When any anti-hog man feels like scoffing at the great demand for hogs and the consequent high prices he might put these figures in his pipe and smoke them.—*Exchange*.

Time spent in caring for the garden tools is time put to good use.

ASHES FOR HOGS—The successful swine breeder does not forget that ashes are essential in building bone in hogs. When wood ashes cannot be obtained, corn cobs can be burned to a charcoal or to a fine ash and kept in some clean place to which the hogs have access at all times. There need then be no special work in feeding it to them at any time.

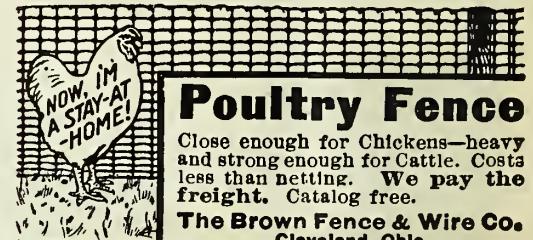
Bulletin No. 78, University of Tennessee Experiment Station, on "The Soils of Tennessee, their Chemical Composition and Fertilizer Requirements," by Prof. Charles A. Mooers, is now ready for free distribution. This should be a valuable publication to any farmer. A careful study of this bulletin will help many farmers to learn just what fertilizers are necessary to make his land most productive.

The period of gestation in different mares varies from 10 1-2 to 12 1-2 months, and is liable to vary in different years in the same mare. The usual period for the average of mares is about 340 days, or 11 months and 10 days. It was thought years ago that in all cases when the period was protracted the produce would be a male, but in some of the longest periods that have come under the observation of the writer the foals have been fillies.

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(This offer for a limited time only.)

Poultry Show Dates.

Secretaries and others interested are requested to send in show dates of county and state fairs and poultry shows for publication.

Adrian, Mich.—Dec. 8 to 14, 1908. F. V. Judson, Sec'y.

Akron, O.—Jan. 18 to 23, 1909. E. T. DeGraff, judge; J. W. Gauthier, Sec'y.

Anadarko, Okla.—Jan. 12-18, 1909. John Pfaff, Sec'y. Judge: Adam Thompson.

Anderson, Ind.—Jan. 26 to 30, 1909; N. M. McCullough, Sec'y.

Asheville, N. C.—Dec. 1-4, 1908. Mrs. C. B. Campbell, Sec'y.; F. J. Marshall, Judge. Albert Lea, Minn.—F. A. Kappel, Sec'y, Jan. 4-9, 1909. Judge: C. H. Rhodes.

Athens, O.—Jan. 19 to 23, 1909. A. B. Shaner, judge; W. C. Hoodlet, Sec'y.

Auburn, N. Y.—J. H. Scott, Sec'y, Dec. 14-19, 1908.

Augusta, Ga.—Nov. 2 to 7, 1908. Judges, T. Reid Parish, C. W. Fowler, J. S. Jeffrey; comparison. W. A. Herman, Sec'y.

Baltimore, Md.—Jan. 5 to 9, 1909. G. O. Brown, Supt. Poultry; Dr. Chas. H. A. Meyer, Supt. Pigeons.

Benton Harbor, Mich.—Jan. 7-10, 1909. S. E. Lane, judge; W. C. Coffman, R. 6, Sec'y.

Bradford, Ill.—Dec., 1908. B. D. Phinnis, Sec'y.

Bristol, Va.-Tenn.—Dec. 16-19, 1908. J. H. Drevenstedt, Judge; W. H. Cochrane, Sec'y.

Bowling Green, Ky.—Dec. 1-5, 1908. R. L. Brasher, Sec'y.

Belvidere, Ill.—E. L. Robertson, Sec'y, Jan. 25-30, 1909. Judge, Geo. D. Holden.

Buffalo, N. Y.—G. J. Fellner, Sec'y, 37 Condon Avenue, Feb. 1-6, 1909. Judges: W. F. Brace, H. P. Schwab, S. Butterfield.

Brantford, Ontario—Jas. L. McCormack, Sec'y, 33 Murry St., Jan. 3-7, 1909.

Brazil, Ind.—Jan. 11 to 15, 1909. Ben S. Myres, judge; J. C. Macdonald, Sec'y.

Boston, Mass.—W. B. Atherton, Sec'y, 30 Broad St., Jan. 12-16, 1909.

Canonsburg, Penn.—Geo. C. McPeake, Sec'y, Jan. 4-9, 1909. Judge: A. F. Kummer.

Cambridge, Ohio—James Cook Sarchet, Sec'y, Jan. 27-30, 1909. Judge: Chas. McClave.

Carey, O.—Dec. 8 to 12, 1908. Ira Kellar, judge; Ed. Campbell, Jr., Sec'y.

Cedar Rapids, Iowa—O. W. Ilten, Sec'y, Jan. 25-30, 1909. Judges: Russell and Tucker.

Centralia, Mo.—Feb. 1st to 5th. B. F. Dinwiddie, judge; D. M. Jennings, Sec'y.

Cincinnati, O.—Jan. 12 to 16, 1909. S. T. Campbell, judge; Julius Freideborn, Sec'y.

Charleston, S. C.—Dec. 8 to 11, 1908. Geo. O. Brown, judge; P. A. Robertson, Sec'y.

Charlotte, N. C.—Jan. 16 to 20, 1909; R. L. Simmons and J. F. Jeffrey, judges; E. G. Wardin, Sec'y-Treas.

Coffee County—Nov. 5 to 7, 1908. H. B. Lansden, Pres.; J. H. Ashley, Secretary; Manchester, Tenn.

Clarkston, Tenn.—Feb. 2-6, 1909. W. E. Clark, Sec'y. Judge: W. C. Denny.

Clarksville, Tenn.—Dec. 15 to 18, 1908. J. J. Naive, Sec'y-Treas.

Cleveland, Ohio—Jan. 25-30, 1909. The Cleveland Fanciers' Club Co., Central Armory Hall. J. T. Conkey, Sec'y., 2337 E. 4th St. Cleveland, Ohio.

Clinton, Iowa—Nov. 24 to 28, 1908; F. J. Marshall, Judge; K. L. Johnstone, Sec'y.

Coldwater, Mich.—A. J. Skinner, Sec'y, Jan. 5-8, 1909. Judges: Frank Heck and J. W. Mulinix.

Columbia, Mo.—Jan. 12th to 16th. E. C. Branch, judge, B. F. Dinwiddie, Sec'y.

Columbus, O.—State Poultry Association, Feb. 4 to 9, 1909. G. R. Haswell, Temp. Sec'y. Circleville, O.

Columbia, S. C.—Oct. 26 to 30, 1908; E. J. Watson, Sec'y.

Cleburne, Texas.—Nov. 18 to 20, 1908. R. A. Davis, judge; R. L. Payne, Sec'y.

Dallas, Texas—Oct. 17 to Nov. 1, 1908; judges, Hutchinson and Savage; C. P. Van Winkle, Supt.; Sidney Smith, Sec'y.

Dodge City, Kansas—Dec. 9 to 12, 1908. K. C. Beck, Judge; F. A. Etrick, Sec'y., Dodge City, Kan.

Doros, Iowa—Jan. 19 to 30, 1909.

Dallas, Tex.—Jan. 5 to 8, 1909; C. P. Van Winkle, Sec'y., box 1074, Dallas, Tex.

Dallastown, Pa.—Nov. 23 to 28, 1908; H. A. Emmel, judge; Jacob Eberly, Sec'y.

Danville, Ill.—C. S. Johnson, Sec'y, Dec. 18, Jan. 2, 1909. Judge: Geo. D. Holden.

Decatur, Ill.—Chas. W. Keyes, Sec'y, care of Bradley Bros., Jan. 11-16, 1909. Judge: Heimlich.

Dover, N. J.—W. H. Bidgood, Sec'y, Nov. 23-28. Judges: Drevenstedt and W. J. Stanton.

Dixon, Ill.—Jan. 25 to 30, 1909. Calvin Ott, judge; A. G. Hill, Sec'y.

Decatur, Ind.—Jan. 6 to 9, 1909. S. T. Campbell, judge; Chas. E. Madgly, Sec'y.

East Haven, Conn.—Nov. 25 to 27, 1908;

F. J. Reveley, Sec'y.

Evans City, Pa.—Jan. 12 to 16, 1909. H. A. Emmel, judge; C. Fred Shafter, Sec'y.

Elgin, Ill.—W. W. Britton, Sec'y, Dec. 28, 1908, Jan. 2, 1909. Judges: McClave and Thos. S. Falkner.

Enid, Okla.—J. A. Taggart, Sec'y, Waukomis, Jan. 4-9, 1909. Judge: H. B. Savage.

Elwood, Ind.—Dec. 22 to 26, 1908. S. T. Campbell, judge; C. R. Wilson, Sec'y.

Franklin, Ind.—Jan. 18 to 23, 1909. Findlay, Ohio—E. K. Smith, Sec'y, Dec. 15-19, 1908. Judges: Campbell and Long.

Fairmount, W. Va.—Dec. 8 to 11, 1908. S. T. Campbell, judge; C. D. Conaway, Sec'y.

Greenfield, Tenn.—January 19-22, 1909; F. J. Marshall, judge; R. E. Perry, secretary.

Greenville, S. C.—Jan. 12 to 15, 1909. J. H. Drevenstedt, Judge; W. P. Stewart, Sec'y.

Guthrie, Okla.—E. B. Henry, Sec'y, Jan. 11-16, 1909. Judge: H. B. Savage.

Gratiot County Poultry and Pet Stock Association, Ithaca, Mich., Dec. 15 to 18 inclusive. Sharp Butterfield, judge; E. J. McCall, Ithaca, Mich., Secretary.

Greenfield, Ill.—Nov. 17 to 22. S. T. Campbell, judge; Miss Carrie Allen, Sec'y.

Hagerstown, Md.—Oct. 13-16, 1908. W. Frank Spahr, Sec'y. Judges: Chas. McClave, Geo. O. Brown, J. H. Drevenstedt, Eugene Sites.

Hartville, O.—Dec. 30 to 31, 1908, Jan. 1 to 2, 1909; Wick Hathaway, judge; R. J. Pilgrim, Sec'y.

Hamilton, Ontario—R. J. Weston, Sec'y 327 Queen St. S., Nov. 9-13, 1908.

Hillsboro, O.—Oct. 12 to 14, 1908. Comparison.

Wade Turner, Sec'y Poultry Dept.

Hot Springs, Ark.—Oct. 12 to 17, 1908; G. C. Watkins, Supt., W. H. Blanks, judge; W. E. Hicks, De Queen, Asst. Supt.

Honolulu, Hawaii—J. J. Greene, Sec'y, Box 587.

Houston, Tex.—Robert Black, Sec'y.

Indianapolis, Ind.—Feb. 1 to 5, 1909.

Jackson, Mich.—Chas. P. Orwick, Sec'y, Dec. 14-19, 1908. Judge: O. L. McCord.

Jeanerette, La.—Sept. 9 to 13, 1908. L. M. Grevenberg, Sec'y.; T. L. Bayne, judge.

Kansas City, Mo.—Jan. 18 to 23, 1909.

Knoxville, Tenn.—Dec. 9 to 12, 1908; Hutchinson and Marshall, judges; John E. Jennings, Sec'y.

LaGrange, Ind.—G. A. Gage, Sec'y, R. F. D. no. 6, Jan. 4-8, 1909. Judge: McClave.

Lansing, Mich.—J. A. Turner, Sec'y, Jan. 2-7, 1909. Judge: Jas. A. Tucker.

Lebanon, Tenn.—Dec. 3 to 8, 1908; H. T. Norman, Sec'y.; J. C. Vaughan, Asst. Sec'y.

Lexington, Ky.—Frank L. Smith, Sec'y, Jan. 4-8, 1909. Judge: J. H. Drevenstedt.

Lima, O.—Jan. 4 to 9, 1909.

Lincoln, Neb.—Luther P. Ludden, Sec'y, Jan. 18-23, 1909. Judges: C. H. Rhodes, F. H. Shellabarger and Adam Thompson.

Lebanon, Ky.—Dec. 8 to 12, 1908. F. L. Shaw, judge; J. Lum Abell, Sec'y.

Logansport, Ind.—Jan. 26th to 30th. B. F. Dinwiddie, judge; Thos. J. Flanagan, Sec'y.

Louisville, Ky.—Jan. 11 to 16, 1909; W. C. Cawthon, Sec'y.

Manchester Poultry Association—Nov. 16 to 20, 1908. Chas. M. Murphey, Sec'y; South Manchester, Conn.

McKinney, Tex.—Dec. 9 to 11, 1908; Mrs. Harry Singleton, Sec'y.

McMinnville, Tenn.—Nov. 24 to 28, 1908. R. M. Rheamis, Sec'y-Treas.

Minneapolis, Minn.—Chas. O. Johnson, Sec'y, 4201 Colfax Ave. North, Jan. 13-20, 1909. Judges: Geo. D. Holden and D. E. Hale.

Mitchell, S. D.—Wm. Scallin, Sec'y, Jan. 25-31, 1909.

Monroe, N. C.—Jan. 5, 6, 7, 8, 1909. Judges F. J. Marshall, W. S. Church; G. B. Caldwell, Sec'y.

Mobile, Ala.—Nov. 24 to 27, 1908. Loring Brown, judge (comparison); J. M. Sturtevant, Sec'y. Kushla, Ala.

Montgomery, Ala.—Oct. 18 to 24, 1908. F. P. Chaffee, Sec'y.

Mound Valley, Kans.—Jan. 6th to 9th. B. F. Dinwiddie, judge; M. C. Taylor, Sec'y.

Morristown, Tenn.—Sept. 23 to 25, 1908; T. L. Bayne, judge; B. Neil, Sec'y.

Nashville, Tenn.—Dec. 8-12, 1908. Greater Nashville Pet Stock and Poultry Association.

Benj. D. Hill, Sec'y; Fount H. Ryan, Asst. Sec'y. Judges, Thos. S. Faulkner and Chas. McClave.

Newport, Tenn.—Sept. 30 to Oct. 2, 1908; J. A. Dinwiddie, judge.

New York, N. Y.—Henry V. Crawford, Sec'y Montclair, N. J., Dec. 20, 1908 Jan. 2, 1909.

Oakland, Cal.—C. G. Hinds, Sec'y, 538 Pacific Ave., Alameda, Dec. 7-12, 1908. Judge, M. S. Gardner.

Oklahoma City, Okla.—H. H. Hawley, Sec'y, Jan. 24-30, 1909. Judges: McCord and Fite.

Oshkosh, Wis.—James F. Irvine, Sec'y, Jan. 16-22, 1909. Judges: D. E. Hale and J. A. Tucker.

Pickens, S. C., Dec. 2 to 4, 1908. Loring Brown, Judge; J. N. Hallum, Secretary, Pickens, S. C.

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GOLDEN WYANDOTTES

Pronounced (of good shape and almost perfect markings) by the judge after scoring.
Eggs from three pens. Write me before purchasing.

W. H. LORD, - - - Asheville, North Carolina.

Paterson, N. J., Dec. 2 to 5, 1908, O. H. Quentin, Secretary, Paterson, N. J.
Parkersburg, W. Va.—Dec. 28 to 30, 1908.
Philadelphia, Pa.—Jan. 19 to 23, 1909.
Polo, Ill.—Feb. 1 to 6, 1909.
Pittsburg, Pa.—Feb. 17 to 22, 1909.
Portland, Ore.—Jan. 13 to 19, 1909. W. C. Denny, judge; J. E. Windle, Lents, Sec'y.
Peoria, Ill.—Nov. 24 to 30, 1908. Jas. A. Tucker and W. E. Stanfield, judges; Dewey A. Seeley, Sec'y.

Port Huron, Mich.—Robert S. Taylor, Sec'y, Jan. 20-23, 1909. Judges: Calvin Ott, F. W. Traviss, W. M. Wise.

Randall, Iowa, Dec. 11 to 15, 1908. D. M. Anderson, Secretary. Geo. D. Holden, Judge.
Rock Hill, S. C.—Jan. 12 to 15, 1909. F. J. Marshall, Judge; W. H. Brice, Sec'y. and Treas.

Rockford, Ind.—Jan. 11 to 16, 1909.
Rockville, Md.—January 25 to 30, 1909. Calvin Hicks, Sec'y.

Springfield, O.—Jan. 18 to 23, 1909.
Salem, Ind.—Will hold next show Dec. 28 to Jan. 2, 1909. F. J. Heacock, Secretary; J. C. Clipp and F. J. Fchocke, Judges.

Sheridan, Ind., Dec. 28, 1908 to Jan. 2, 1909; J. T. Richardson, Secretary, Sheridan, Ind.

Seattle, Wash.—January 19 to 25, 1909. W. C. Denny, judge; N. Anderson, Sec'y.

Saint Louis, Mo.—T. W. Orcust, Sec'y, 5972a Highland Ave., Nov. 23-28, 1908. Judges D. P. Shove, T. M. Campbell, John Hettich.

Slater, Mo.—T. E. Quisenberry, Sec'y, Dec. 8-12, 1908. Judges: D. T. Heimlich, C. H. Rhodes and Adam Thompson.

Sand Creek, Okla.—C. L. Bickerdike, Sec'y, Dec. 9-12, 1908. Judge: C. A. Emry.

Shawnee, Okla.—Mrs. J. B. Roe, Sec'y, Jan. 25-30, 1909.

Salt Lake City, Utah—C. J. Sander, Sec'y, 906 Lincoln Ave., Jan. 25-30, 1909. Judge: D. T. Heimlich.

Stillwater, Okla.—Robt. A. Lowry, Sec., Jan. 4-9, 1909. Judge: H. B. Savage.

Toledo, Ohio—L. C. Taylor, Sec'y, Gibsonburg, Jan. 19-26, 1909. Judges: J. A. Tucker, W. E. Stanfield and J. W. Mulinix.

Tacoma, Wash.—Seth W. Geer, Sec'y, Jan. 5-10, 1909. Judge: Geo. H. Northup.

Troy, O—Jan. 26 to 29, 1909. S. T. Campbell, judge; H. E. Bruce, Sec'y.

Tullahoma, Tenn.—Aug. 26 to 29, 1908; H. B. Lansden, Supt.; F. J. Marshall, judge.

Union City, Tenn.,—Jan. 12 to 15, 1909.

Ike Wade, Sec'y.

Victoria, B. C.—Jan. 25, 1909. W. C. Denny, judge; W. E. Nachtrieb, Sec'y.

Van Wert, O—Dec. 30 to Jan. 2, 1908-9. S. T. Campbell, judge; R. P. Everly, Sec'y.

Warsaw, Ill.—Dec. 16 to 19, 1908. Chas. V. Keeler, judge; Chas. Poor, Sec'y.

Waverly, Tenn. (Sec'y please furnish date).

John B. Bowman, Sec'y.; W. J. Sugg, Asst. Sec'y-Treas.

Waldron, Ark.—J. F. Anderson, Sec., Dec. 10-11, 1908; R. A. Davis, judge.

Wheeling, W. Va.—Jan. 18 to 23, 1909. S. T. Campbell, judge; T. S. Meek, Sec'y.

Wynnewood, Okla.—F. J. Stowe, Sec'y, Dec. 14-19, 1908.

York, Pa.—Nov. 23-28, 1908. Judges, W. Theo. Wittman, poultry; E. B. Ulrich, pigeons; L. G. Plath, pet stock. J. Warren Lovett, Sec'y.

Yoki, Wash.—Jan. 6 to 13, 1909. W. C. Denny, judge; L. D. Green, Sec'y.

Youngstown, Ohio—Geo. B. Miller, Sec'y, 321 Commerce St., Jan. 11-16, 1909. Judges: W. E. Stanfield and J. E. Gault.

Zanesville, O—Jan. 20 to 23, 1909. S. T. Campbell, judge; W. E. Thomas, Sec'y.

Zion City, Ill.—Jan. 6 to 9, 1909; Frank Heck, judge; C. W. Oaks, Sec'y.

Licensed Poultry Judges.

Below is a list of Licensed Poultry Judges of the American Poultry Association. Send \$2 and we will insert your name and address under this head for one year:

Chas. V. Keeler,..... Winamac, Ind.
S. T. Campbell,..... Mansfield, Ohio
Clarence W. King,..... Romulus, N. Y.
John Dudley,..... Emporia, Kansas
O. P. Greer,..... Bourbon, Ind.
A. B. Shaner,..... Lanark, Ill.
Phil Feil,..... Canal Dover, Ohio
F. J. Marshall College Park, Ga.

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The Industrious Hen Co., Knoxville, Tenn.:

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W. F. FOTTERALL

State Fairs.

Alabama State Fair, Birmingham, October 6 to 17; George P. Barnes, Secretary and General Manager.

Arkansas State Fair.—Hot Springs, Oct. 12 to 17, 1908. G. C. Watkins, Siloam Springs, Supt.; W. E. Hicks, DeQueen, Assistant Supt.

Central Arkansas State Fair Association.—Carlisle, Oct. 19 to 23, 1908. W. S. King, Supt., Lonoke; G. C. Watkins, judge, Siloam Springs.

Columbus, Ohio—Aug. 31-Sept. 4. T. L. Calvert, Secy.

Columbia, S. C., State Fair, October 26 to 30, 1908. E. J. Watson, Commissioner.

Denver, Col., Interstate Fair and Exposition—Sept. 7 to 12, 1908. G. C. Fuller, Secy.

Des Moines, Iowa—Aug. 20-28, 1908. J. C. Simpson, Secy.

Georgia, at Atlanta, Oct. 8-24, 1908. Frank Weldon, Secy.

Hutchinson, Kan.—Sept. 14-19. A. L. Sponser, Secy.

Indianapolis, Ind.—Sept. 7-11. Charles Downing, Secy.

Kentucky State Fair, Louisville, Sept. 14 to 19, 1908. M. C. Rankin, Frankfort, Ky.

Lexington, Ky.—Aug. 10-15. Jouett Shouse, Secy.

Mississippi State Fair, Jackson—Oct. 27 to Nov. 6, 1908. N. L. Hutchinson, poultry judge; W. C. Taylor, Supt., Jackson.

Memphis, Tenn., Tri-State Fair Association, Sept. 28 to Oct. 2, 1908. R. M. Williams, Mgr.

North Carolina State Fair Raleigh—Oct. 12 to 17, 1908. S. L. Paterson, Commissioner.

Oklahoma City, Okla.—Oct. 1-10. H. Overholser, Secy.

Sedalia, Mo.—Oct. 3-9. John T. Stinson, Secy.

Shreveport, La.—Nov. 2-7. L. N. Brueggerhoff, Secy.

Springfield, Ill.—Sept. 25-Oct. 2. Jas. K. Dickison, Secy.

Tennessee State Fair, Nashville, Tenn., September 21 to 26. J. W. Russwurm, secretary.

Texas—Dallas, Oct. 17 to Nov. 1, 1908; C. P. Van Winkle, Supt.

Topeka, Kan.—Sept. 7-12. R. T. Kreipe, Secy.

Virginia, at Richmond, Oct. 5-10, 1908. G. W. Koiner, Commissioner.

West Tennessee Fair, Jackson, October 7-5 days.

Wheeling, W. Va.—Sept. 7-11. Geo. Hook, Secy.

County Fairs.

Batesburg, S. C.—Tri-County Fair, Oct. 12-16. J. W. Dreher, Secy.

Clarksville, Tenn.—August 28; 3 days.

Columbia, Tenn.—September 14; 7 days.

Cookeville, Tenn.—September 18; 3 days.

Cumberland City, Tenn., Sept. 9-4 days.

Dalton, Ga.—Whitfield County Farmers' Fair, Oct. 13-17, 1908. W. M. Sapp, Secy.

Fayetteville, Tenn.—August 10; 6 days.

Gallatin, Tenn.—August 26-4 days.

Kingston, Tenn., Sept. 8 to 11, 1908.

Lexington, S. C.—Oct. 20-24. C. M. Efird, Secy.

Murfreesboro, Tenn.—September 7; 6 days.

Pulaski, Tenn.—September 11; 3 days.

Rome, Tenn., Sept. 10-3 days.

Spartanburg, S. C.—Nov. 3-6, 1908. Paul V. Moore, Secy.

Sumter, S. C.—Nov. 7-13. W. R. Burgess, Secy.

Shelbyville, Tenn.—September 1; 5 days.

Tullahoma, Tenn.—August 24; 6 days.

Winchester, Tenn.—August 17; 6 days.

Indiana Fairs.

Fairmount, Grant Co., Ind., Aug. 10-14.

Anderson, Madison Co., Ind., Aug. 25-28.

Converse, Miami Co., Ind., Sept. 22-25.

A Great Help to All Who Read It.

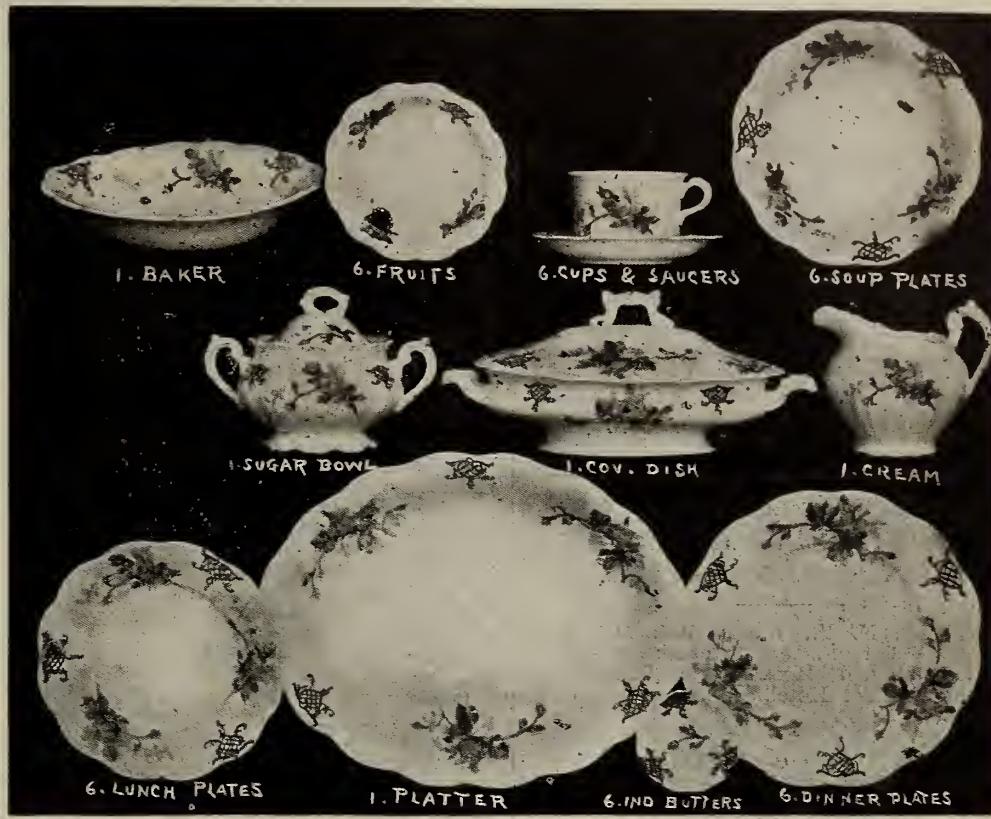
It is always with a great deal of pleasure that I await the monthly arrival of THE INDUSTRIOS HEN. I certainly think it is a paper which is a great help to all who read it, whether they are professional poultrymen, or merely beginners. Yours truly,

ARTHUR EATON, High Point, N.C.

Good Results from North and South.

We have been constant advertisers in THE INDUSTRIOS HEN ever since the first issue. We regard it as a fine advertising medium for the poultryman. It certainly has brought us good results, both from the North and South. We are well pleased with it. In fact we have had to turn off orders as we could not fill them.

WALKER BROS., Madisonville, Tenn.

THE INDUSTRIOS HEN**BRIDAL DINNER SET****Each Piece Guaranteed**

We are offering to our subscribers for a limited time a chance to get a beautiful 49-piece, **LIMOGES CHINA DINNER SET**, absolutely free. For beauty, durability, exquisite workmanship and finish these sets cannot be surpassed. Each piece is embossed and decorated with gold, with a vine of wild roses in green and pink, and will astonish and please any housewife. It is guaranteed to be as claimed or money will be refunded. We do not show here a complete set, but enough to convince any one that it is worth more than we ask for it. A beautiful lithograph in Red, Blue and Gold, showing the colors used in decorating this set, will be sent free on request. The set is composed of the following pieces:

1 Baker	1 Covered Dish
6 Fruit Plates	1 Cream Pitcher
6 Cups	6 Lunch Plates
6 Saucers	1 Platter
6 Soup Plates	6 Individual Butters
1 Sugar Bowl	6 Dinner Plates

FORTY-NINE PIECES IN ALL.**How to Secure one of these Handsomely****Decorated Limoges China Dinner Sets:**

The retail factory price of this set is \$7.50. We will send one of these sets, freight prepaid, to any address for a club of 15 subscribers to THE INDUSTRIOS HEN, at 50c each, (either new or old, or we will send this set to any one in the United States, freight prepaid, for \$6.50.) Each set will be securely packed and shipped direct.

Every reader of this paper who can possibly use this choice dinner set ought to be able to secure fifteen subscribers to the HEN and get the set free.

If you desire to work up this club of 15 subscribers we will send you sample copies, order sheet and blank receipt book. Take hold today; order your samples, and begin canvassing among your friends. You will be surprised how easy subscribers will come. Address

**The Industrious Hen Company,
Knoxville, Tennessee**



THIRTY-THIRD ANNUAL CONVENTION OF THE AMERICAN POULTRY ASSOCIATION.

Niagara Falls, N. Y., August 10th, 11th and 12th, 1908—Headquarters, International-Cataract Hotels—All Meetings in Convention Hall of Cataract Hotel.

PROGRAMME.

MONDAY, AUGUST 10TH, 9:30 A. M.
Business Session American Poultry Association.

ORDER OF BUSINESS

Convention called to order by President Charles M. Bryant, Boston, Mass.

Roll call.

Reading minutes of last meeting.

Report of Election Commissioner.

Election of Board of Review.

Appointment of Credentials Committee.

Report of Executive Board, on applications for membership acted upon favorably, and charters granted to branch associations.

Report of Secretary-Treasurer.

Report of Finance Committee.

Reports from and regarding each branch association.

MONDAY, AUGUST 10TH, 2:30 P. M.

Business Session of American Poultry Association.

Report of Board of Review (under suspension of rules).

Report of Committee on Credentials.

Report of Committee on Bureau of Lecturers, Mr. Geo. D. Holden, chairman, Owatonna, Minn.; Grant M. Curtis, Buffalo, N. Y., and T. F. McGrew, Washington, D. C.

Discussion.

Report of Secretary-Treasurer on result of contest for first separate breed standard.

Paper: Revision of Standard of Perfection and Publication of Separate Breed Standards; by Grant M. Curtis, Buffalo, N. Y., Chairman of Standing Committee on Revision of the Standard of Perfection.

Discussion and action.

MONDAY, AUGUST 10TH, 7:30 P. M.

Address: Poultry from the Farmer's Stand-

point, and a Woman's Experience; by Mrs. M. Allen, Oswego, N. Y.

Paper: The American Poultry Association, Its Objects and How Best to Promote Same; by J. H. Robinson, Boston, Mass.

Discussion: Poultry Shows, and How to Conduct Them; by F. L. Kimmy, Chicago, Ill.; H. V. Crawford, Montclair, N. J.; Sam'l H. Roberts, Boston, Mass., and W. B. Atherton, Boston, Mass.

Address: The American Standard of Perfection and its Relation to Market Poultry; by Prof. W. R. Graham, Ontario Agricultural College, Guelph, Ontario.

Illustrated Lecture: Selecting Our Show Birds and How They Are Judged; by D. E. Hale, Wayzata, Minn.

TUESDAY, AUGUST 11TH, 9:30 A. M.

Business session of American Poultry Association.

Order of Business:

Consideration of proposed amendments to the constitution and by-laws, as proposed by Chas. H. Ring, Decatur, Mich.; Dr. E. M. Santee, Cortland, N. Y.; Robt. Seaman, Jericho, N. Y.; Theo. Hewes, Indianapolis, Ind.; H. V. Crawford, Montclair, N. J., Ross C. H. Hallock, St. Louis, Mo.; G. R. Haswell, Circleville, Ohio, and W. C. Denny, Rochester, N. Y.

Reports of other committees.

Unfinished business.

TUESDAY, AUGUST 11TH, 2:30 P. M.

Business Session of American Poultry Association.

Order of business:

Inauguration of officers.

New business.

Report of the Executive Board on licensing judges of poultry.

Report of Executive Board on additional applications for membership.

Announcement by Executive Board of Standing Committees for current year.

Election of Election Commissioner.

Recommendations of Executive Board.

Discussions.

TUESDAY, AUGUST 11TH, 7:30 P. M.

Reminiscences: Philander Williams, Randolph, Mass., President of the American Poultry Association for the years 1883, 1884, 1885, 1886, 1887 and 1888.

How to secure more uniformity in judging; discussion by S. T. Campbell, Mansfield, Ohio; Judge David A. Nichols, Shelton, Conn.; Geo. D. Holden, Owatonna, Minn.; A. C. Smith, Waltham, Mass.; Thos. F. Rigg, Iowa Falls, Iowa.

Address: Laws of Mendelism, by C. B. Davenport, Carnegie Institute, New York City.

Discussion: Scientific Handling of Poultry for Exhibition: A. C. Hawkins, Lancaster, Mass.; A. G. Duston, South Farmington, Mass.; U. R. Fishel, Hope, Ind.; I. K. Felch, Natick, Mass.; W. C. Denny, Rochester, N. Y.

WEDNESDAY, AUGUST 12TH, 2:30 P. M.

Address: White Diarrhoea; I. H. Baldwin, Deer Park, Ontario; Dr. Morse, Agricultural College, Washington, D. C.

Paper: Feeding for Egg Production; Prof. Horace Atwood, West Virginia Agricultural College, Morgantown, W. Va.

Address: What the Agricultural Colleges and Experiment Stations are doing for the Poultry Industry; Prof. Jas. E. Rice, Professor of Poultry Husbandry, New York State College of Agriculture, Ithaca, N. Y.

Debate: Resolved, That the American Poultry Association should encourage the holding of poultry institutes in connection with poultry shows.

Affirmative: F. E. Dawley, Fayetteville, N. Y.; T. F. McGrew, Washington, D. C.

Negative: Theo. Hewes, Indianapolis, Ind.; R. V. Hicks, Topeka, Kansas.

Adjournment.

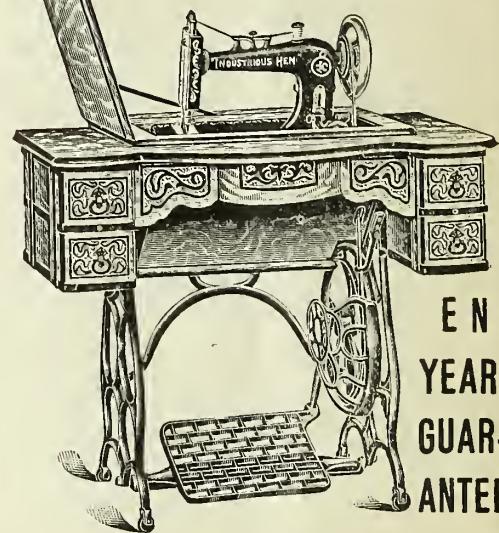
Wilber's White Leghorns.

Wilber Bros., at Petros, Tenn., live in the mountains, where the air is pure and fresh, and their flocks of S. C. White Leghorns are strong, healthy and vigorous. They have sent out some elegant stock within the past few years that has shown its superior merit by the many winners produced from their pens. They have now some good birds of this superior strain that would make an excellent addition to any flock. Write them for a bargain offer for some good birds.

The National S. C. Black Orpington Club

Through its secretary, Joe Coleman, Carey, Ohio, will issue a handsome membership certificate for \$1.00, which includes all dues and membership fee to October 1, 1909. The new club ribbons will positively be in the hands of show secretaries throughout the country prior to the time of the show. Join and compete for these specials.

\$16 AND THE HEN PAYS THE FREIGHT



HIGH GRADE, BALL BEARING, NOISELESS, EASY RUNNING, AND THE EQUAL OF ANY \$50 MACHINE.

READ THE FOLLOWING TESTIMONIALS. SOME OF THESE PEOPLE YOU KNOW.

SEWING MACHINE TESTIMONIALS

The Industrious Hen Sewing Machine we got from you gives thorough satisfaction and we are well pleased with it.—C. W. Tindell, R. F. D. No. 1, Corryton, Tenn.

We have used *The Industrious Hen Sewing Machine* constantly two months and like it very much. It has given perfect satisfaction and seems to be exactly as represented.—Mrs. L. G. Metcalf, Fountain City, Tenn.

The Industrious Hen Sewing Machine is all right. I have been using mine for some time now and I am perfectly satisfied with it. I would not take what I gave for it. Any one wishing to buy a machine will do right if they buy an *Industrious Hen Machine*.—Miss Ida M. Sullenberger, Knoxville, Tenn.

The Industrious Hen Sewing Machine has been given severe tests by us and we write to assure you that it has met with every requirement, done its work well and the operator is well pleased.—W. L. Thompson, Heber, Ark.

The Industrious Hen Sewing Machine recently ordered from you came very promptly, and as far as tested has proven entirely satisfactory. Am recommending it to my friends who are thinking of buying a machine.—Mrs. Sam. M. Cooper, Fountain City, Tenn.

My wife has used most all the high-grade sewing machines and says *The Industrious Hen Sewing Machine* is as good as the best.—R. T. Moore, Morristown, Tenn.

I wish to say with regard to *The Industrious Hen Sewing Machine* that in my opinion it is as good as a sixty dollar machine. My wife has been using it for about two years and it has never been out of fix in the least. It is "O. K." Wm. C. Rayburn, Guntersville, Ala.

SUNFLOWER POULTRY YARDS

Summer Sale of

BARRED PLYMOUTH ROCKS

Prices one-third off. Standard bred and reared under most favorable conditions.

Mrs. M. E. Almy, Altamont, Ky.

REDS S. C. R. I. Reds For Sale

REDS

Harris, and Hansen's Red Cloud strains. These pens must be sold to make room for growing stock. Write for prices and circular.

RHODE ISLAND RED POULTRY YARDS,

L. B. COOK, Prop. - - Box A, Stanford, Ky.

DON'T FAIL TO SHOW YOUR BIRDS AT

THE GREAT TENNESSEE STATE FAIR POULTRY SHOW

September 21-26, 1908.

NASHVILLE, TENN.

JUDGES: J. H. DREVENSTEDT, W. C. PIERCE, S. T. CAMPBELL AND C. W. FOWLER.

Spratt's Method of Feeding and Cooping. Liberal Premiums. Big List Cash Specials. 250,000 people will attend this Show. The Tennessee State Fair Poultry Show begins the Southern Circuit of Poultry Shows, including Memphis, Birmingham, etc. For information, entry blanks and premium lists, address

JOHN A. MURKIN, Supt., Nashville, Tenn.

DITTO'S "R. I. REDS."

Winners at New York, Jamestown, Nashville, Louisville and all leading shows of Silver Trophies. Cups and special prizes for shape and color. Eggs half price. Circular free.

D. L. DITTO, BRANDENBURG, KY.

STOP AT THE
HOTEL PONCE De LEON
WHEN AT
ATLANTIC CITY

Virginia Avenue and the Beach

The Hotel Ponce DeLeon is newly furnished throughout with rare taste, and possesses all modern requisites for convenience and comfort of guests.

European and American Plan.

A BOOKLET will be gladly furnished upon application.

Rates, running from \$12.50 to \$30.00 per week, according to location of the rooms.

For further information, address

ALFRED B. CRINDROD

Atlantic City, N. J.

HOTEL WESTMINSTER

IRVING PLACE & 16th STREET New York City



One block from UNION SQUARE, Surface, Elevated and Subway Cars. Midway between leading WHOLESALE and RETAIL STORES and THEATRES, and yet far enough from Broadway to insure COMFORT and FREEDOM from the noise and bustle of that thoroughfare.

PERFECTLY QUIET Locality and HOME-LIKE in every respect.

EXCELLENT CUISINE. EUROPEAN PLAN

Single Rooms, \$1.00 per day and up. Room with Bath, \$2.00 per day and up. Parlor, Bedroom and Bath, \$3.00 per day and up.

American Plan \$3.00 per day and upward Club Breakfast. Table D'Hote Dinner

SEND FOR BOOKLET

The John F. Hollingsworth Co.
C. H. GODFREE, Mgr.

To the Poultry Breeders.

It is my pleasure to announce that a Poultry Show Circuit, including the Tennessee State Fair, Sept. 21-26, the Tri-State Fair at Memphis, Tenn., Sept. 28-Oct. 7, and the Alabama State Fair at Birmingham, Oct. 8-17, has been arranged. The three fair associations realizing the importance of the poultry industry to the people of this section of the country, will spare neither time nor money to make the poultry departments of each of these great fairs prominent features. The poultry buildings will be splendidly located, and every detail perfected for representative exhibits at each place. The best judges in America have been selected, and nothing will be left undone to make them three of the greatest poultry shows ever held in the country. Nashville, Memphis and Birmingham are situated in the three best sections of the United States for poultry raising, the industry is growing rapidly in these localities, and it is estimated that nearly three quarters of a million people will see these three shows. Competent attendants will accompany the birds from one show to the other and every care and attention will be given exhibits sent in our care; there being three days between the Nashville and Memphis shows, and the same between the Memphis and Birmingham shows, will give ample opportunity to get the exhibits in splendid shape for each show. We want every breeder, no matter how small, to send a few of his best birds to these shows. It is an opportunity they cannot afford to miss. Poultrymen from every section of the country will have their eyes on these shows, and from an advertising standpoint there has been nothing in the South ever attempted that will equal them. Any information, premium lists, entry blanks, etc., will be furnished by addressing John A. Murkin, Nashville, Tenn.

South Central Branch A. P. A.

At the election held July 10, the following officers were elected for the ensuing year: J. F. Marshall, Atlanta, Ga., president; M. F. Norris, Lexington, Ky., vice president; Jno. A. Murkin, Nashville, Tenn., Sec.-Treas.; executive committee: C. Fred Ward, Winter Park, Fla.; J. O. Norton, Nashville, Tenn.; J. T. Davis, Lewisburg, Tenn.; L. K. Terrel, Birmingham, Ala.; A. P. Paxton, Houston, Miss. The membership of the South Central Branch is so scattered that it is difficult to get them together. The largest number of members are at or near Nashville, Tenn. It seems to us that the best plan for getting the members together so they may become acquainted and have an opportunity to exchange ideas as to the future work of the branch and any matters they may wish to bring before the main Association, would be for a brief meeting to be held at Nashville, at some date during the State Fair, the time and place to be selected by Secretary Murkin. It would be a good plan to have a rotation in office, electing the president

from each State in turn. This will give an opportunity to show what each president can do for the Branch.

EGGS

From Standard Stock.
RHODE ISLAND REDS
and WHITE ROCKS.

SATISFACTION GUARANTEED.

\$2.50 per setting. \$8.00 per hundred.

J. H. PERRIN, Meridian, Miss.

White Hill Poultry Farm

has her feet on top round and only keeps the Blue Ribbon Strain S. C. White Leghorns and White Fantail Pigeons. Our Leghorns are bred to lay and they always win the blue. Pullets lay at 4½ months and score 96½ points. Twenty-five yearling hens, good ones, at \$1.50 each. Pullets by the hundred cheap, and the prettiest Fantail Pigeons you ever saw, at the lowest price—white as snow.

A. J. LAWSON, Proprietor.

(Member Nat'l S. C. W. Leg. Club.)

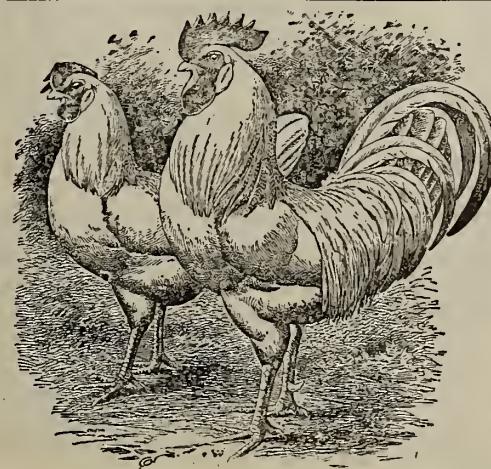
R. No. 4, Box 2. Cleveland, Tenn.

LOCUST LAWN LEGHORN LAYERS

WHY THIS BARGAIN?

We have something to tell which we want you to know about and not forget. For the poultry raisers in the South the best layers are the bestayers. To get them requires the best breed and the best breeding. Our stock is that kind—S. C. White Leghorns only, the best laying breed, with many years of pure breeding to increase the average egg yield in large flocks. Not only this, they are bred close to the standard of perfection in shape and color, as fully attested by our first prize-winning. We offer a few 1 year old hens, all brood mates of first prize pullets at 1908 Knoxville show at the bargain price of \$1 each. One lot of 6 for \$5, and \$5 additional (only one) extra cockerel (selected for exhibition) same strain but not close kin, 4 months old now, right for mating with hens next winter and spring, having the promise of developing into a prize winner, cheap at \$10, without the hens. It's worth remembering. Ask Hawkins County Bank about us.

PIERCE Poultry CO., Rogersville, Tenn.

FOR SALE
S. C. WHITE LEGHORNS

As my drug business requires so much of my time wish to close out my famous prize winning White Leghorns—50 beautiful cockerels at half price, 300 very fine pullets, nearly ready to lay at half price—also want to sell all old stock. Great bargains for some one. Write

J. F. CHILDRESS, Sweetwater, Tenn.

Wabash Poultry Yards

ARITON, ALA.

BREEDERS OF

SINGLE COMB WHITE LEGHORNS
 "WILBERS WORLD'S BEST"
AMERICAS GREATEST LAYERS & WINNERS
SINGLE COMB WHITE ORPINGTONS
 "THE BLUE RIBBON STRAIN"

The best all purpose fowl, beautiful, profitable and good mothers. We will spare a few very choice birds from each variety at right prices. Eggs from our grand matings at \$2.00, \$3.00 and \$5.00 per 15. Order direct from this or write us your wants. We give you your money's worth.

WABASH POULTRY YARDS,
 Dept. B. D. A. WALKER, Gen. Mgr., ARITON, ALA.

The Southern Planter**ONE YEAR FREE**

As a special inducement to old and new subscribers alike we have arranged to send *The Industrious Hen* and *The Southern Planter*, Richmond, Va., one year for 50c.

We recommend *The Southern Planter* as one of the best farm publications in the South. Send to them for sample.

All subscriptions should be mailed to

THE INDUSTRIOS HEN
 Knoxville, Tenn.

"HOUDANS OF QUALITY."

Cut prices on eggs. 100 choice breeders for sale. Free catalogue. Set eggs in June and July and hatch winners.

DR. G. W. TAYLOR, Box H, ORLEANS, IND.

BARRED PLYMOUTH ROCKS
 (RINGLETS)

Winners Three Years in Succession at the Greenfield Poultry and Pet Stock Show

I breed from high-scoring birds that are mated for best results. I have made Barred Rocks a specialty for fifteen years.

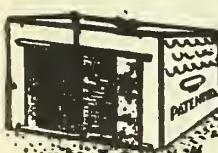
EGGS AT \$2.00 PER 15.

COCKERELS FOR SALE, \$2 TO \$5 EACH. GOOD ENOUGH TO SHOW

F. E. MENZIES
 DYER, TENN.

THIS BROOD COOP

is rat, lice, mite, mink, weasel, rain proof. Easily taken apart and cleaned. Use our combination Trap and Setting Nest. Our feed coop feeds three kinds of feed, is a feed saver. Try our non-freezing watering tank, egg testers, etc. All made of galvanized steel. Catalogue free. C. Hoskins & Co., 318 State St., Quincy, Ill. Dept. I. Agents wanted.

**SPECIAL CLUBBING OFFER**

The Industrious Hen	-	\$.50
The Cotton Journal	- -	1.00
Wall Map Chart	- - -	2.00
		\$3.50

THE ABOVE CLUB TO ONE ADDRESS, ALL FOR \$1.50

This is an unprecedented clubbing offer. Read the description of our handsome, instructive and interesting Wall Map Chart on another page. This premium, together with the finest agricultural paper and the best poultry paper in the South, all for only \$1.50. Order today. Address

The Industrious Hen, Knoxville, Tenn.

Southern Circuit.

From all over the South inquiries are coming in for premium lists and entry blanks for the Tennessee State Fair, the Tri-State Fair at Memphis, and the Alabama State Fair Poultry Shows. It looks now as this circuit is going to prove one of the biggest poultry attraction ever held in the South. Nashville, Memphis, and Birmingham are all three cracker-jack poultry centers, and the poultry breeders of the South have reason to be delighted with the way in which the Fair Associations in these cities have taken hold of this Department this year. The location of the shows at each fair is magnificent, and the attendance will be something enormous. The breeders of the South should take advantage of this splendid opportunity to show their birds. Every arrangement has been perfected for handling the birds from one show to another, competent attendants will accompany and look after the exhibits. A large number of breeders through Indiana, Illinois, Ohio, Pennsylvania and other Northern States will make the circuit, and from present indications the three shows will go on record as being among the very best held in the country this year. Send along a few of your best birds; it matters not whether you can go along yourself or not, they will be well cared for, and returned promptly. Mr. Murkin, the superintendent, has made arrangements to have the awards posted at each show at the earliest possible moment, and every exhibitor will not only know the result but will receive his ribbons promptly after the awards are announced. For any information, entry blanks and premium lists address John A. Murkin, Nashville, Tenn.

Poultry Hints.

These hot days are hard on both the poultry and poultryman. The poultryman can in some degree alleviate his sufferings by taking car rides, visiting soda fountains, ice cream parlors, etc., but how about the poor, neglected poultry? Remember how faithfully they laid and reared this spring for you. What can you do for them? I'll tell you. Get some of C. W. Henderson Co.'s feed and see the difference. A little charcoal will prevent lots of trouble. Beef scrap will put gloss on your show birds. You might try giving them some nice fresh water in C. W. Henderson Co.'s Sanitary Fountains. Best of all, let your hens lay for you this winter and you do your hatching with a Model Incubator and raise the chicks in Model Brooders. Send to C. W. Henderson Co., 9 W. Side Market Square for their special Incubator and Brooder Catalogue.

The Great Iowa State Fair.

Des Moines, the capital, will hold her great fair August 29 to 28th. Last year 190,000 people attended, and a larger number is looked for this year. Iowa is a great State, and THE HEN has thousands of readers there. We will be represented there by Camp and McCullough.

Houston's Annual Poultry Show.

During carnival week the Texas Pigeon and Poultry Association will hold its annual bird and poultry show. The association has elected the following officers for one year: Theodore G. Thomas, president; J. R. Beatty, first vice president; C. F. Fink, second vice president; Robert Black, secretary; W. W. Wilson, treasurer; W. H. Lighthouse, superintendent; F. Merkel, assistant superintendent, and the following as directors: Messrs. Theodore G. Thomas, J. R. Beatty, C. F. Fink, Robert Black, W. W. Wilson and F. Merkel. Hon. H. B. Savage, of Belton, a member of the legislature, was unanimously elected poultry judge, and Charles

F. Taylor, of Detroit, Mich., pigeon judge. The association is capitalized at \$10,000. The association has already under projection a mammoth 200 page catalogue, to be issued some time before the annual show, and which will be the largest and most complete thing of its kind ever brought out in South Texas. Besides containing advertisements of all the well known poultry men, incubator people and merchants, the catalogue will be chock full of valuable information for all lovers of poultry. It will be highly illustrated with cuts of handsome birds, photographs for these pictures being under preparation.

BLOOD TELLS

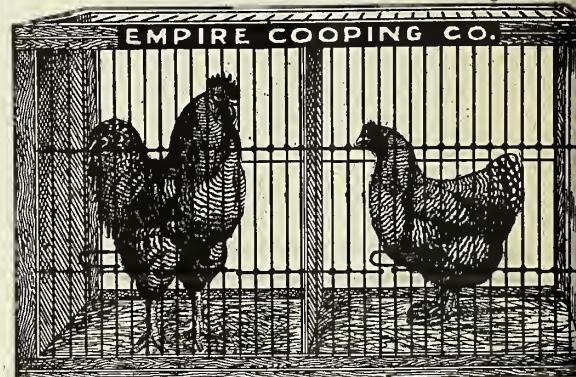
This is especially true of poultry. Therefore you cannot afford to buy White Rocks of uncertain breeding. Mine are the famous U. R. Fishel's strain. Some great bargains now in old and young stock. Come early and get the cream. We sell as cheap as good stock can be sold. We guarantee satisfaction, or your money back. Write your wants.

PLUMMER McCULLOUGH,

Box A., MERCER, PA.

Printing**FOR POULTRY MEN**

When in need of Letter-Heads, Envelopes, Note-Heads, Shipping Tags, Business Cards, Post Cards, Circulars, Folders, Etc. Get our samples and prices before you place your order. FINE CUTS USED. We pay the Express charges. Samples cheerfully sent FREE. (Mention your breed.)
 W. A. BODE PRINTING CO. BOX 176. FAIR-HAVEN, PA.



Pat'd Oct. 18, 1901.

EMPIRE**Exhibition and Training Cages**

For Poultry, Pigeons, Cats and Cavies.

A Specialty of Caging Winter Shows

State and County Fair Poultry Buildings.

Write for free illustrated catalogue of sizes

EMPIRE COOPING CO.
 Fultonville, New York.

Rose Comb Rhode Island Reds

The only choicest specimens in my breeding pens, and they are bred to lay as well as win. Winnings:—Wilmington, N. C., 1902: 1st and 2nd pullets. Wilmington, N. C., 1903: 2nd cockerel; 1st, 2nd, 3rd and 4th pullet and 1st pen. Charleston, S. C., 1905: 2nd cockerel and 2nd pen. Charleston, S. C., 1906: 1st cockerel, 2nd and 4th pullet. At the great Jamestown Exposition in the strongest class of Reds ever shown in the South I won 3rd cockerel. Charleston, S. C., 1907: 1st and 2nd cockerel, 1st, 2nd, and 3rd pullet. Eggs \$1.50 per 15; \$3.50—50.

P. R. BROOKS, - - - - -

BLACK CREEK, N. C.

**- A - DEE - FARM**

J. A. DINWIDDIE, PROP.

S. C. RHODE ISLAND REDS and S. C. WHITE LEGHORNS

For sale at reduced prices after June 1st, a grand lot of 1 and 2 year old Breeders. Also eggs at one-half price.

J. A. DINWIDDIE,

ROUTE 3,

NEW MARKET, TENN.

The International Rose Comb Black Minorca Club.

A catalogue is being issued by the International Rose Comb Black Minorca Club to advance the interests of Rose Comb Black Minorcas, and all breeders of this variety who are not members of this club will find it to their interest to join before this catalogue is issued, so their names and addresses may appear in the list of members. Being a member of the club entitles them to compete for the club specials which will be offered during the show season in the leading shows of the United States and Canada. The number of ribbons won will be credited to each winner in the club catalogue, and championship will be awarded to the winner of the largest number of club ribbons in each State, every year. In addition there will be a silver cup offered in every State where we have ten members or more at some show in the State which shall be decided upon by the members residing therein. The club has recently taken many new members and it is the desire of the Secretary to give every breeder of good Rose Comb Black Minorcas an opportunity to join us before closing the last form of this catalogue. Therefore, I will be pleased to send application blank and full particulars by return mail to any one who will write me.—GEO. H. NORTHUP, Secretary-Treasurer, Raceville, N. Y.

Industrious Houdans in the Industrious Hen.

LIVERMORE, Ky., July 6, 1908.

Industrious Hen Co.

Gentlemen:—You will please find enclosed check for \$5.00, to pay the balance on my yearly ad in the HEN. She certainly deserves her pay, she has done such good work for me. I have sold all the Houdan eggs I had to spare and quite a nice amount of stock through the HEN and am yet shipping the eggs out to set by the 100 lots; have had a fine trade this season, even if money matters were close. Shall want to keep up my ad in the HEN. Am raising such a fine lot of Houdans this year I will be able to enlarge my plant next season, and take care of more business. Will say to my customers that I intend to show some of my birds at the Tennessee State Show, at Nashville in September, if I possibly can, and will be glad to have them meet me there. Wishing the HEN and her staff success, I am yours truly.—A. A. CHIVERTON.

Thirty-Five Silver Cups at Augusta.

Augusta, Ga., will have the "greatest ever" poultry show, on the 2nd of November, lasting six days. Besides thirty-five handsome silver cups, many liberal cash premiums and specials makes this show very attractive. The show will be cooped by the Empire Cooping Co., Fultonville, N. Y., which alone will insure its uniform beauty and safety. The following judges have been selected, which is a guarantee of its regularity and square deal: T. Reid Parish, Nashville, Tenn.; J. S. Jeffrey, West Raleigh, N. C.; C. W. Fowler, Smyrna, Ga.; and George M. Hood, Augusta, Ga. A handsome premium list will be published. For further particulars, write to W. A. Herman, Secy.

Colorado Interstate Fair.

The Poultry Department of the Colorado Fair, to be held in Denver, will offer over \$2,400 in cash premiums. The whole show offers a list of prizes aggregating over \$25,000, half of which is distributed in the live stock department. Mr. G. C. Fuller is acting secretary and Harry Petrie general superintendent.

Hoskins' Handy Egg Crate.

Read what Hoskins & Co. say of this wonderful little invention. They say: We make these crates of good wood and send them out in first-class condition. Handles, springs, and all the material used in the crate are of the best material. The boxes that hold the eggs, and the fillers in the boxes are made of heavy card-board and are far superior to the fillers found in the old style crates.

The dealers like these crates as they are so easily and quickly emptied. To empty the old style crates the fillers are removed, the

The Great Calhoun Fair

Will be held at Marshall, Mich., September 15 to 18, 1908. The Fair Lake, filled with the web-footed family, attracts a deal of interest.

Has The Right Name.

Livermore, Ky., March 17, 1908.

Industrious Hen Co.:

GENTLEMEN—Please find enclosed check for \$5, payment on my ad. THE INDUSTRIOUS HEN certainly has the right name. She has gotten some nice orders for me in the short time she has had my ad. Yours truly,

A. A. CHIVERTON.

eggs roll together, often breaking, and then taken out a handful at one time. To empty our crate all that is necessary is to turn the boxes upside down over the fillers of the large crate and the eggs go to place without touching.

Now-a-days nearly every farmer has a buggy, and unless he has a big load to bring from town he goes in the buggy. Now the old style egg crate that holds thirty dozen cannot be placed in the buggy at all, and if he wants to take it has to tie it onto the back of the buggy; this way the crate rubs the bed and spoils it. If he has the old style crate that holds twelve or fifteen dozen, it is too wide to set in the back of the buggy, and if placed in front leaves no room for the feet. Two people can not ride in a buggy and take one of these old crates. With our new crate two or three can ride in a buggy and have plenty of room for the feet. If they want to take thirty dozen to market one of our crates will set in the back and one in the front and leave plenty of room for the occupants."

See illustration and ad. on another page.

Kentucky Leghorns.

W. E. Gabhart, Bohon, Ky., has some early hatched S. C. White Leghorn cockerels, weighing 4 1-2 pounds, that he is willing to part with. He writes that he has had splendid success with his pens and that he has a fine lot of well bred laying Leghorns. The Blue Grass State is good for chickens, as well as many other good things.

Midsummer Holiday Number.

The August Century will be the Midsummer Holiday number, with ten short stories, besides new chapters, of increasingly intense interest, of Dr. S. Weir Mitchell's "The Red City." Among the contributors to this short-story issue will be David Gray, the "Gallops" man, Irving Bacheller, Charles D. Stewart, and Jack London.

Rubber Boots for Little Chicks.

I think THE HEN one of the best papers. It deals with the conditions in the South. The big journals are all right, but they are always talking about 20 below zero, ten feet of snow or nice warm mittens and rubber boots for little chicks.—Ben E. Berry, Memphis, Tenn.

THE BANTY FOUNT SAVES LABOR



Founts that cannot be thoroughly cleaned breed disease. The BANTY is the most sanitary, practical, and convenient fount on the market. Heavy galvanized iron—made to last. Write for name of nearest dealer and circular giving opinions of prominent breeders. Made in three sizes.

AMER. PATENT SPECIALTY CO.
63 H St. Dayton, Ohio

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EASILY FILLED & CLEANED

C. W. Henderson Co., Sole Agents, Knoxville.

DOAK'S WHITE WYANDOTTES WON AGAIN AS USUAL.

At Nashville, Sept. 23-28, 1907: 1st Pen, 1st Cock, 1st Hen, 2d Pullet. \$25 Cash Prize—**BEST PEN IN SHOW**, Any Breed.

E. L. DOAK Greenwood Ave., NASHVILLE, TENN.

S. C. RHODE ISLAND REDS

We will have six pens of this favorite breed this season and will be prepared to furnish you with eggs at reasonable prices.

PARK POULTRY PENS, Miss Alice Pelton, Mgr.
Cor. 26th and W. End Ave., Nashville, Tenn.



Tennessee State Fair, Nashville,
September 21 to 26, 1908.

DON'T STAY FAT



SEND FOR A FREE TRIAL TREATMENT

of the remarkable new discovery which quickly reduces superfluous flesh from men, women and children leaving the person in normal weight and good health.

ANTI-FAT treatment takes off fat at the rate of five pounds a week. No person is so fat but what it will reduce no matter where the excess fat is located—Bust, Hips, Stomach, Neck, Cheeks—it will quickly reduce without exercise, exertion or dieting.

ANTI-FAT strengthens the Heart and enables you to breathe freely. It is a natural scientific obesity reducer. It has done for others what it will do for you. It is perfectly harmless being a physician's prescription. You will feel a hundred times better the first day you try this wonderful treatment. No woman can be beautiful who has overweight. No dressmaker can overcome the pudgy, puffed and awkward appearance of a fat woman.

ANTI-FAT treatment reduces most obstinate cases. You can not be healthy and happy while you suffer from an excess of fat. Fat people are barred from the general pleasure of life and many times are subject to such diseases as Asthma, Rheumatism, Kidney Trouble and Heart Disease.

THE ANTI-FAT treatment cures all these—removing the cause. Do not take our word for it. Send for FREE TRIAL TREATMENT to-day. It is free for the asking.

INTERNATIONAL LABORATORY, 1123 Broadway, New York City.

ECZEMA

Instant relief and positive cure. Trial treatment mailed free.

International Co., 1123 Broadway, New York

ASTHMA

Instant relief and positive cure. Trial treatment mailed free.

Toxico Laboratory, 1123 Broadway, New York

THE FARM QUEEN

Illustrated Monthly for the Women on the Farm

Three Months Free

In order to build up a large subscription list in a short time, we will send THE FARM QUEEN, free, for three months. Send your name and address on a postal; say you want Farm Queen three months free. We want you to see Farm Queen, read same for three months, and then we are most certain you will be pleased to become a regular subscriber.

This is a bona fide offer, and will not be considered a subscription. It is not a scheme to get your name on our list, then to send it whether you subscribe or not and endeavor to collect for it at some future time.

We faithfully promise that we will stop it at the end of three months if you do not in the meantime subscribe. Address

THE FARM QUEEN.

Three Months Free

Dept. 40, EASTON, MARYLAND.

A Roofing that Needs No Painting.

Labor saving devices are constantly being discovered, and one of the most important for farmers has been the development of a new type of roofing which does not require continual painting to keep it tight.

The leader in this new development is Amatite Roofing, which has a surface of real mineral matter. The pitch in which this mineral is imbedded is so adhesive that the mineral surface will not wash off.

After an Amatite Roof is laid there is nothing more to do to it. It is not necessary to look after it each year for painting or patching, and all the labor and cost of coating the roof is done away with.

The manufacturers of Amatite are glad to show samples of their materials, and these may be obtained by a postal card request addressed to the nearest office of the Barrett Manufacturing Company, New York, Chicago, Philadelphia, Boston, St. Louis, Cleveland, Pittsburg, Cincinnati, Kansas City, Minneapolis, New Orleans.

Notice to White Wyandotte Club and A. P. A. Members.

As president of the National White Wyandotte Club, I hereby give notice that the annual meeting of above said Club will be called to order at 1:30 p. m., sharp, on Tuesday, Aug. 11th, 1908, in the Cataract Hotel at Niagara Falls, New York. I further announce that the auditing and investigating committee will be on hand to give information as to the result of their findings, but in order that it may never be said that the auditing and investigating committees were fixed, incompetent or irresponsible, I demand that an open investigation be made also by both the Club and the American Poultry Association. It is to be hoped that every member of either body who possibly can attend will be present and assist impartially in this investigation and the adjustment of Club and Association affairs.—W. R. GRAVES, President.

The Virginia State Fair.

Cyrus T. Fox, of Reading, Pa., a manager of fairs, expositions and races for over thirty years, and a well known newspaper man, having been President of the Pennsylvania State Editorial Association in 1902, has been engaged by the Virginia State Fair Association, in an advisory capacity to assist in getting up the State Fair to be held in Richmond, October 5th to 10th. The General Manager is Mark R. Lloyd, a Richmond lawyer. This is Mr. Fox's sixth year in Virginia as a fair and race manager, having previously been the manager of fairs held in Roanoke and Radford, and in charge of races at Lynchburg, Tazewell and other cities.—*Farm and Home Journal*.

Concrete Residences.

In this concrete age it is cheaper in the long run to build a house of concrete—something that will last always—than to build of wood. A concrete house needs no repairing or painting. It is cooler in the summer and warmer in the winter, besides looks so much more substantial. "Concrete Construction About the Home and Farm" is a valuable little book free for the asking, and "Concrete Country Residences," which is full of beautiful examples of concrete homes, may be had for \$1, of the Atlas Portland Cement Co., 30 Broad Street, New York.

When the Adamses Move.

Mrs. K., while telling her children about Adam and Eve and the beauties of the Garden of Eden, was interrupted by one of the tiny tots saying, "Oh, mamma, when those Adamses move away, let us get that place to live in."—*The August Delineator*.

Date Your Correspondence.

Nickel Plated Rubber Dater with Black Enamelled Handle. Has the years, days, and months. The years extend for a period of 8 years. Price 25 cents each.

Buff Orpingtons, S. C. Black Minorcas

BLUE BLOODED, FARM RAISED, PRIZE WINNING, MONEY MAKERS.

The fowls for eggs, for meat, for general purposes. Won in Buffs, 1st cock, 1st ckel., 1st and 2nd hen. In Minorcas, 1st and 2nd hen at Morningside Show, Owen, judge. My fowls are great egg producers, lay when eggs are scarce. They are full of vigor, vitality and vim. Eggs, Orpington, \$2.50. Minorcas, \$2.00, a setting.

Mr. and Mrs. George Miller,
Hill Top Poultry Farm, R2, Russellville, Tenn.

S. C. BUFF ORPINGTONS

WILLIAM COOK STRAIN



I have unquestionably the finest stock in the South. I have won prizes at Madison Square, Tennessee State Fair and at Nashville, in fact have never missed a premium where shown.

YOU CANNOT FIND BETTER ORPINGTONS

First Premium Eggs \$5 for 15. Second Premium \$3 for \$15

Mrs. S. C. BRIDGEWATER, Dixon Springs, Tenn.

POULTRY MEN

Send for our new 36 page Illustrated Poultry Catalogue. Absolutely Free.

**EAST DONEGAL POULTRY YARDS,
MARIETTA, PENNSYLVANIA.**

**Fruit and Ornamental Trees
of Any Description**

PECANS OUR SPECIALTY

Illustrated and descriptive catalogue free if you mention this paper. Write now.
ARCADIA NURSERIES, J. H. Girardeau, Jr., Mgr., MONTICELLO, FLA.

**...SINGLE COMB BROWN LEGHORNS...
STRAWBERRY HILL POULTRY YARDS**

**I. DAVENPORT WILLIAMS, Prop. and Supt.
Box 287 Richmond, Va.**

Mem. Am. S. C. B. Leghorn Club and Va. Poultry Association. At Richmond Jan. 9-15, (Wittman Judge), 1st, 2nd, 3rd and 4th Pullet. 8 Specials, including two Silver Cups for best display in class offered by Am. S. C. B. Leghorn Club and Va. Breeders. At Jamestown, 4th Pen, 6th Cockerel on immature birds, Also Highest Awards Va. State Fair and Richmond 1906. Eggs from Exhibition matings, both cockerel and pullet line \$3 per 15, \$5 per 30, \$7 per 50, \$10 per 75, \$12 per 100. From Utility matings \$1 per 15, \$6 per 100. Two-thirds hatch guaranteed or number of eggs duplicated at half price. Stock for sale at all times.

S. C. BUFF ORPINGTONS

I breed but one variety. In buying from me you run no risks in getting mixed stock. I guarantee a good hatch from eggs. Also guarantee birds I ship to satisfy my customers or same may be returned. Your inquiry or order will have prompt attention. Eggs \$2.00 per 15; \$10.00 per 100.

J. L. ALLEY,

BOX 110,

MIDWAY, ALA.

SOUTHERN FARM LOCATIONS AND INDUSTRIAL INVESTMENTS

**GRAIN FARMS
COTTON FARMS
DAIRY FARMS**

POULTRY FARMS

**FRUIT FARMS
HAY FARMS
TRUCK FARMS**

In the States of

**Virginia North Carolina Georgia Alabama
Tennessee South Carolina Kentucky Mississippi**

FINE CLIMATE, GOOD MARKETS, AMPLE RAINFALL, CHEAP FUEL

OPENINGS FOR INDUSTRIES

Lumber Lands, Coal Lands, Stone Lands, Iron Ore Lands

FACTORY SITES

In Close Association with Water Power, Fuel and Raw Material.

Information about any part of the South and any kind of business furnished free by addressing M. V. RICHARDS, Land and Industrial Agent, Washington, D. C.; W. L. HENDERSON, Southern Agent, Equitable Bldg., Atlanta, Ga.

A Queen's Love of Animals.

I love animals, even spiders, they spin so cleverly and are such excellent mothers. Besides, they are musical. My friend, the Swedish composer, Hallstrom, told me that for a long time he had two spiders which would let themselves down from the ceiling by long threads when he played, and station themselves on the piano to hear the music. Of ants and bees I will not speak; one who does not love them is so stupid that I have nothing to say to him. Even wasps are not as black as they are painted. For snakes only I have no liking; they terrify me; but my aversion is doubtless due to the fact that I have not studied them enough. It seems to me impossible not to love an animal whose innocence and goodness one has accurately comprehended.—From Carmen Sylva's "My Kittens," in the August Century.

Special Days at State Fair.

The management of the State Fair will announce in a short while the list of special days during Fair week, September 21-26. Each day programs will be arranged that will be particularly appropriate for the class of people it is intended to compliment. Some of the days already decided on are "Tennessee Day," "Farmers' Union Day," "Fraternal Day," "State Press Day," "Governor's Day," etc. Many eminent men from in and out of the State will be invited to make addresses. On Governor's Day the chief magistrates of several Southern States are expected to attend, and a man of National reputation will be invited to deliver the address. This will probably be Ex-Governor James K. Vardaman, of Mississippi.

Rhode Island Red Meeting.

The greatest specialty poultry exhibit and school that was ever held, will be held in connection with the Poultry Exhibit at the Illinois State Fair at Springfield, Ill., September 25th to October 2, 1908. It will be the First Annual Fall Meeting and Exhibit of the National Single Comb Rhode Island Red Club, and all Red fanciers and breeders are invited to meet with us. Write to J. K. Dickirson, Secretary of Fair Association, for premium list. For information in regard to the International R. C. R. I. Red Club, write Tom J. Ridge, Secy. and Treas., Cedar Rapids, Iowa. For general information write J. H. Valliere, Secy. and Treas. National S. C. R. I. Red Club, Cedar Rapids, Iowa.

Sharks No Real Danger.

Contrary to what is generally supposed, the fully equipped modern diver does not dread sharks in the depths; though there are cases on record where these monsters have bitten savagely at the air-pipe, causing a serious leak and almost drowning the man before he could be hauled up. Sharks are, however, notoriously timid, and all the experienced diver has to do to frighten them away is to open one of the air valves in his dress and cause a stream of bubbles to rise up all around him, whereupon the "tiger of the deep" will make off in abject terror. A far more real danger is getting entangled.—From "The Divers of a Navy and Their Adventures" in August St. Nicholas.

Officers Southwest Branch A. P. A.

The election for officers of the Southwest Branch of the A. P. A. resulted as follows: President, Henry Steinmesch, St. Louis, Mo.; Vice President of Missouri, W. M. Beal, Kansas City, Mo.; Vice President of Kansas, C. H. Rhodes, Topeka, Kan.; Vice President of Texas, H. B. Savage, Belton, Kan.; Vice President of Arkansas, J. F. Anderson, Waldron, Ark.; Vice President of Louisiana, R. E. Bruce, Crescent, La.; Secretary and Treasurer, E. L. Delventhal, Warrenton, Mo.

Texas State Fair at Dallas.

October 17 to Nov. 1, will be the great Texas State Fair. The poultry show will be one of the leading features. The new \$8,000 poultry building has been filled with Empire exhibition coops, which will show off the birds to good advantage. Liberal prizes have been offered in all classes. All entries close Oct. 14, and no entries will be accepted after that date. For catalogue and other information write C. P. Van Winkle, Supt., Dallas.

Lebanon, Tenn.

The Second Annual poultry show will be held at Lebanon, Tenn., December 3 to 8, 1908. Information comes from Lebanon that a better show will be held than ever, and that a large and attractive premium list will be issued. E. H. De Poy is chairman of the Catalogue Committee: H. T. Norman, Secy., and J. C. Vaughan, Asst. Secy.

**For Sure Results
Use Model Incubators**

Why take chances with inferior makes of incubators when by using a **Model Incubator** you can be sure of securing successful hatches, not simply once in a while, but whenever you have the machine in operation. No pains nor expense have been spared to make the **Model** complete in every detail and so simple in operation that there is nothing to worry about; no moisture problem to contend with; no "sitting up nights" to watch the temperature, and nothing left to mere chance. It is equipped with all the most modern and up-to-date hatching devices and is the only incubator having the Compound Corrugated Leaf Thermostat, which is so delicate and perfectly accurate that it will positively maintain the heat at the right point.

RAISE YOUR CHICKS IN MODEL BROODERS

After your chicks are successfully hatched, the next point is to successfully rear them. Your profits will be as certainly spoiled if you lose your chicks as if there was a failure in hatching, and unless your brooder is right you are taking long odds, for the critical period in your chick's life is during the time it is in the brooding stage. **Model Brooders** are the result of long experience and are built on correct principles, perfectly ventilated, well lighted, and having a diffusive heat system which imparts the gentle, life-sustaining warmth so necessary to the chick's welfare, to all parts of the brooder room. This prevents crowding and insures proper growing conditions. The **Model Brooders** are the most sanitary and easily cleaned brooders on the market.

Write today for **Model Catalog**. It gives information on every point that you want to know before you buy. Prompt shipment of incubators and brooders guaranteed. Catalog sent free on request.

CHAS. A. CYPHERS, President, Model Incubator Company, 332 Henry St., BUFFALO, N. Y.

C. W. HENDERSON & CO., Model Incubators, Knoxville, Tenn.

S. C. RHODE ISLAND REDS.

Special sale of this season's breeders, at \$2 and \$3 each. Worth double the money. 100 yearling hens going at these prices. Also 500 choice early hatched pullets and cockerels, that will be in prime condition for the early fall shows. Write us your wants and ask for free illustrated booklet.

C. FRED WARD, Prop., Lakemont Farms, Winter Park, Fla.

DAVIS' BARRED ROCKS HAVE AN ESTABLISHED REPUTATION AS THE "INVINCIBLES."

You can get eggs and breeders at remarkably low prices now. Mating list tells all about them; write a postal today for it.

B. S. DAVIS

CHARLOTTE, N. C.

EARN AN EDUCATION FREE.

A Chance for Some Young Man or Woman to Get a Business Course

Learn Shorthand and Typewriting, or Bookkeeping and take a position at a good salary. We will give absolutely free to the person sending us 100 cash subscribers to THE INDUSTRIOUS HEN at 50c. each, one Fifty Dollar Scholarship in any one of Draughon's Business Colleges in the United States. It matters not where you are located. If you cannot get 100 subscribers, send us fifty at 50c. each and \$25 and we will send you the scholarship, which will entitle you to one full course of Bookkeeping or Shorthand and Typewriting, including all the auxiliary branches, such as Banking, Spelling, Punctuation, Mathematics, etc., as explained in catalogue. The regular catalogue price of this scholarship is \$50. We have only two scholarships to dispose of this way. If you will signify your intention to work up a club and go to work, we will reserve one of them for you for thirty days. These scholarships are good for anyone, anywhere, and any time. For further information address

The Industrious Hen Co., - Knoxville, Tennessee.

POSITIONS SECURED or Money Back

CONTRACT given, backed by \$300,000.00 capital and 18 years' SUCCESS

DRAUGHON'S PRACTICAL BUSINESS COLLEGES

28 Colleges in 16 States. Indorsed by business men. No vacation LEARN BY MAIL Bookkeeping, Short-hand, Penmanship, Law, Letter Writing, English, Drawing, Illustrating, etc. Money back if not satisfied after completing course. For "Catalogue H." or Home Study or "Catalogue P." on attending College, phone, call on, or address JNO. F. DRAUGHON, President Draughon's Practical Business College:

KNOXVILLE, NASHVILLE, MEMPHIS, ATLANTA OR DALLAS.

Entries of Live Stock at the State Fair

Already Secretary J. W. Russwurm is beginning to receive entries for the exhibition of live stock at the State Fair in September. From the present indications these departments will every one of them be better than they have ever been before. Besides the Tennessee breeders who will make the circuit of the State Fairs of the country, and who will all have their herds at Nashville, a large number of entries come from distant states—many from New York and Pennsylvania. While many classes are open to the world, some of the best prizes are offered for Tennessee-owned stock only. This is in order to encourage the raising of blooded animals in the Volunteer State.

Alabama State Fair Poultry Show, Birmingham, Ala.

Following up the reputation already established by the Alabama State Fair Poultry Show at Birmingham, the management will this year present to the public a show better and bigger than ever. A splendid list of premiums has been arranged and every inducement will be offered the breeder to send his birds to this big show. Birmingham is a great poultry center and no breeder can afford to lose the opportunity of exhibiting at Birmingham Oct. 8-17. For full information, address John A. Murkin, Supt., Nashville, Tenn.

The Great Southern Poultry Show Circuit.

Beginning with the Tennessee State Fair Poultry Show at Nashville, Tenn., Sept. 21-26, then the Tri-State Fair Poultry Show at Memphis, Tenn., Sept. 28-Oct. 7, followed by the Alabama State Fair Poultry Show at Birmingham, October 8-17, the South offers one of the best Poultry Show Circuits in the Union. Breeders interested in making exhibits at any or all of these shows can obtain full information by addressing John A. Murkin, Circuit Manager, Nashville, Tenn.

Tri-State Fair Poultry Show, Memphis, Tenn.

For the first time in many years, Memphis, Tenn., will put on a first-class poultry show. It will be held in connection with the big Tri-State Fair at Memphis, Sept. 28-Oct. 7. The show will be made one of the big features of the Fair. A splendid premium list will be offered and every arrangement perfected for holding one of the best shows ever held in the South. For full information address John A. Murkin, Supt., Nashville, Tenn.

Bargains in Leghorns.

We are just in receipt of a letter from our old friend Jno. F. Childress, of Sweetwater, Tenn., informing us that his drug business kept him so close that he would be compelled to close out his entire stock of White Leghorns. We can say that Mr. Childress took advertising space in the first copy of THE HEN and we can furthermore say that he has been one of the most successful breeders in the South, as he has shown in our largest shows and has always been with the winners. He informs us that he has some very choice cockerels and a great many early hatched pullets to close out at greatly reduced prices. Any one needing new blood or foundation stock could possibly save money by writing him at once. We know his stock is O. K. and that entire satisfaction will be given any one who deals with him.

PARRISH'S Light Brahmans — AND — Columbian Wyandottes

Parrish Breeds and Sells More Show Specimens than any Five Brahma or Columbian Breeders in the South.

Write for Catalogue.

**T. REID PARRISH,
NASHVILLE - - - - - TENNESSEE.**

SUMMER SALE!

350 OF THE BEST BREEDERS I EVER OFFERED FOR SALE

BARRED P. ROCKS AND S. C. R. I. REDS

If you want real quality at a price, write me at once. They must be sold before I move to my new farm. Eggs \$2.50 for balance of season. If you want Fox Terrier Puppies, we have the right kind.

MILES POULTRY FARM, Columbus, O.

RHODE ISLAND RED BREEDERS FROM THEIR NATIVE LAND.

This month finishes the EGG SEASON and we shall sell off a number of our BREEDERS to make room for the young stock. Buy early so as to get a good choice, and IMPROVE YOUR BLOOD on the female side. A limited number of yearling males for sale.

PHILIP CASWELL, Box H, NEWPORT, R. I.

FEED, 10 CENTS PER BUSHEL**PATENT PENDING**

Is your main feed for growing chicks and making eggs costing you more than 10 to 15 cents per bushel? Have you raised 95 per cent. of all chicks hatched this season? Can you care for 2000 layers and raise 3000 chicks without help and have time for other work? If not, you want my system. Visit my plant and see how I do it. My new book, "Profits in Poultry Keeping Solved," will tell you how to do it, as well as save you \$25 on every 100 chicks you grow to maturity. My third edition of 5000 copies now ready. 3000 Single Comb White Leghorns and White Wyandotte chicks growing under my new system for the fall trade. Write to-day for free circulars and testimonials. Address

EDGAR BRIGGS, - - - - BOX 156, PLEASANT VALLEY, N. Y.

FINE BARRED PLYMOUTH ROCK STOCK AND EGGS FOR SALE.

MRS. ORA M. HUIE,

Poplar Park Poultry Farm.

R. No. 5

Newbern, Tenn.

WALKER'S BARRED ROCKS & WHITE WYANDOTTES

WIN WHEREVER SHOWN

Winning first honors at Knoxville, Sweetwater and Madisonville, Tenn.

**Our birds are farm-raised. Send us your order and start right
STOCK AND EGGS FOR SALE.**

WALKER BROS., R. 1, MADISONVILLE, TENN.

Kentucky Fair Dates.

The following are the dates fixed for holding the Kentucky Fairs for 1908 as far as reported. Officers of fairs are requested to report to us any omissions or correction or dates.

Shepherdsville, August 18—4 days.
Columbia, August 18—4 days.
Lawrenceburg, August 18—4 days.
Richmond, August 18—4 days.
Leitchfield, August 18—3 days.
Vanceburg, August 19—4 days.
Barbourville, August 19—3 days.
Erlanger, August 19—4 days.
Ewing, August 20—3 days.
Nicholasville, August 25—4 days.
London, August 25—4 days.
Elizabethtown, August 25—3 days.
Shelbyville, August 25—4 days.
Florence, August 26—4 days.
Liberty, August 26—3 days.
Burlington, August 26—4 days.
Germantown, August 26—4 days.
Morgantown, August 27—3 days.
Alexandria, September 1—5 days.
Somerset, September 1—4 days.
Paris, September 1—5 days.
Hardinsburg, September 1—3 days.
Fern Creek, September 2—4 days.
Bardstown, September 2—4 days.
Tompkinsville, September 2—4 days.
Christian County Horse Show, Pembroke, September 3—3 days.
Monticello, September 8—4 days.
Hodgenville, September 8—3 days.
Carroll, Gallatin, Owen, Tri-County Fair, Hartford, September 9—4 days.
Sanders, September 9—4 days.
Glasgow, September 9—4 days.
Kentucky State Fair, Louisville, September 14—5 days.
Elkton, September 17—3 days.
Scottsville, September 17—3 days.
Providence, September 22—5 days.
Mayfield, September 23—4 days.
Morgantown, September 24—3 days.
Falmouth, September 30—4 days.

The Southwestern Poultry Show at Dallas.

The Southwestern Poultry Association will hold their next annual show Jan. 5, 6, 7 and 8, 1909. The show is by far the largest in this part of the country, and already many of the most prominent breeders of the United States have written the management that they will exhibit at this show this season. The premium list this year will be especially attractive, and the regular and the special prizes will be large. A new rule has been made this year that compels breeding pens to be exhibited separate from single specimens. One thousand dollars' worth of the new Empire coops, Fultonville, N. Y., have been purchased which will make the show room look beautiful and show the birds up to the best advantage. The judging will be done, as heretofore, by comparison. The entries close positively at midnight Thursday, Dec. 31, 1908. For premium list, entry blanks or any information, address C. P. Van Winkle, Secy., box 1074, Dallas, Tex.

The Hoosier Fancier's Association.

The Hoosier Fanciers' Association, of Anderson, Indiana, will hold their big Quality Show Jan. 26-30, 1909. They will have silver cups and specials galore, and their premium money will be liberal. The officers for this year are A. K. Sheffield, president; Chas. M. Savage, vice president; N. M. McCullough, secretary-treasurer; F. J. Buser, superintendent and C. O. Balfour, assistant superintendent. Mr. Kummer, of Butler, Pa., and others will place the awards, and a square deal is guaranteed.

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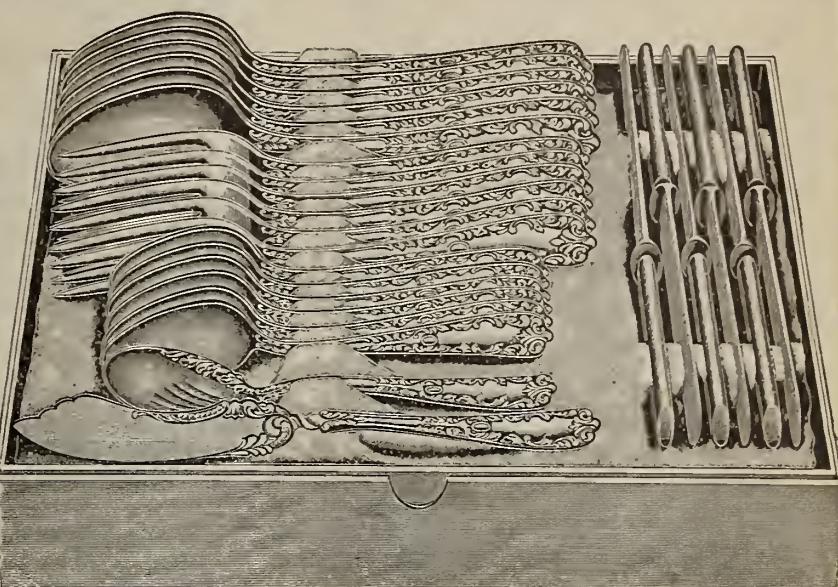
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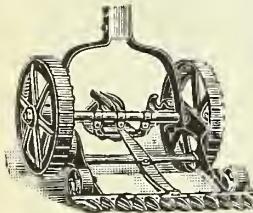
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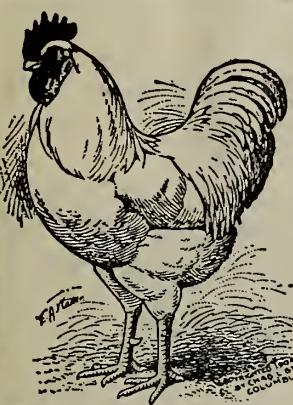
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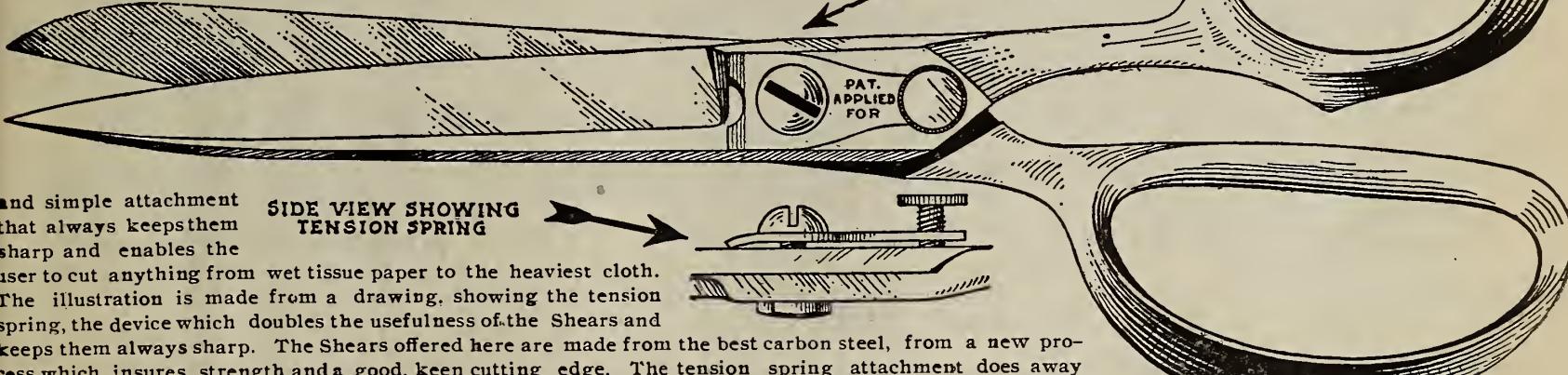
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FEATURES OF MUCH MERIT

Noiseless, Easy Running, Ball Bearing. Stand Handsomely Embossed, Hand Polished Case, The Wonderful Automatic Belt Replacer, High Arm, Lock-Stitch Sewing Head, Automatic Bobbin Winder, Automatic Stitch Regulator, All Steel Working Parts Hardened in Oil, Nickle Plated Steel Attachments in Velvet Lined Box.

build an "agency" machine than it costs to pull up the high grade ten year warranted "Industrious Hen", and that the bulk of the agent's excessive price pays for his commission and for the other heavy selling expense, including cost of keeping branch offices, maintenance of horses, wagons, etc., and the pay of collectors, drivers and teachers.

All this expense is eliminated by us in our offer to you of the INDUSTRIOUS HEN sewing machine at manufacturer's cost, plus a small commission for our trouble.

The Sewing Head with a full-size arm, has more improvements, conveniences and time and labor saving devices than any other sewing machine of like grade in this country. It makes the double lock stitch—a stitch that is always smooth, even and perfect, and it runs easily and quietly. A few of the features are: Spring Tension with convenient release, Improved Take up, Positive, Double Width, Steel Forged Four Motion Feed, Automatic Bobbin Winder, Self-Threading Shuttle, Self-Setting Needle, Gear Releasing Device, Improved Stitch regulator on face of arm and Nickled Steel Removable Face Plate. The Working Parts are made of fine quality hardened tool Steel, which, with proper care will last a lifetime.

The Case of this model is very attractive in appearance and substantial in construction as the illustration clearly shows. The four deeply embossed side drawers and the center drawer with their turned wood, brass faced handles are extra large and solid. There is an eighteen-inch tape measure inlaid in table for the convenience of the operator and a simple but effective device for raising sewing head to position.

The Stand is ball bearing—the bearings operating in micrometer ground hardened steel cones. As a natural result the stand runs much smoother and easier than those where the balls travel on the rough surface of the castings themselves. The Automatic Belt Replacer is a most convenient device, for with its aid, the machine is automatically and instantaneously belted when sewinghead is raised.

The Attachments are exceptionally good for a machine of this grade. They are of the foot pattern and are packed in a velvet lined box. The full set consists of: Ruffler, Tucker, Binder, Feller, Four Assorted Hemmers, Cloth Guide, Twelve Needles, Six Bobbins, Filled Oil Can, Two Screw Drivers and Book of Directions.

This high grade family sewing machine, together with a year's paid up subscription to the "Industrious Hen" will be sent freight paid for **\$16.00** cash to accompany order. Send check, postoffice order or registered letter to

SEND FOR TESTIMONIALS.

GUARANTEED FOR TEN SOLID YEARS

Or, we will give
This Handsome
Machine, ABSO-
LUTELY FREE,
freight prepaid,
for only 60 an-
nual subscrib-
ers to the
INDUSTRIOUS HEN,
at 50c. Each.

GOOD ADVICE. BE SURE AND READ IT.

Don't let the wily sewing machine agent induce you to part with forty-five or fifty dollars for a sewing machine which IS IN NO WAY SUPERIOR TO THE "Industrious Hen". It is a well known fact that it doesn't cost any more to



The Industrious Hen Company, Knoxville, Tenn.